

<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 1072

Pro Cys Lys Asp Ile Asn Thr Phe Xaa His Gly Asn Lys Arg Arg Phe  
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Lys Xaa Ile Cys Glu Asn Lys Xaa Trp Lys Pro Leu Gln Gly Asn Leu  
20 25 30

Arg Phe Xaa Xaa Val Phe Phe Phe Gln Xaa Thr Ile Trp Lys Val Xaa  
35 40 45

Xaa Gly Val Ser Xaa Gly Xaa Xaa Xaa Thr Phe Pro Gly Xaa Xaa Xaa  
50 55 60

Gly Leu Lys Xaa Xaa Phe Phe Phe Phe Xaa Lys Arg  
65 70 75

<210> 1073

<211> 115

<212> PRT

<213> Homo sapiens

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<222> (14)

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<400> 1073

His	Lys	Gln	Phe	Ala	Ser	Leu	Glu	His	Gly	Ile	Val	Pro	Xaa	Thr	Ser
1				5					10					15	

Asp	Cys	Gln	Tyr	Leu	Phe	Pro	Ala	Lys	Val	Val	Ser	Arg	Leu	Val	Xaa
		20						25					30		

Trp	Val	Thr	Xaa	Ala	His	Glu	Asp	Tyr	Met	Glu	Leu	His	Phe	Thr	Lys
		35					40						45		

Asp	Ile	Val	Asp	Ala	Gly	Leu	Ala	Gly	Asp	Thr	Asn	Leu	Tyr	Tyr	Met
	50					55					60				

Ala	Leu	Ile	Glu	Arg	Gly	Thr	Ala	Lys	Leu	Gln	Ala	Ala	Val	Val	Leu
65					70					75					80

Asn	Pro	Gly	Tyr	Ser	Ser	Ile	Pro	Pro	Val	Phe	Xaa	Leu	Cys	Leu	Asn
				85					90					95	

Trp	Lys	Xaa	Glu	Lys	Thr	Asn	Ser	Asn	Xaa	Xaa	Asn	Ile	Xaa	Gly	His
			100					105						110	

Gly	Gly	Arg
		115

<210> 1074

<211> 56  
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Ser Ala His Xaa Cys Leu Ile Asn Ala Thr Ser Thr Xaa Thr Glu Phe  
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Leu Lys Xaa Leu Val Leu Pro Xaa Ile Gly Ser Phe Thr Ile Ile Asp  
20 25 30  
Gly Asn Gln Val Xaa Gly Gln Asn Xaa Gly Asn Asn Phe Phe Leu Gln  
35 40 45  
Lys Ile Leu Ser Ala Xaa Thr Asp  
50 55



<210> 1075  
<211> 146  
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Gly Thr Ser Glu Thr Pro Ala Gly Thr Ile Leu Tyr His Ala His Leu  
1 5 10 15

Asp Ile Glu Ala Phe Thr Met Asp Arg Glu Val Arg Lys Ile Lys Gln  
20 25 30

Gly Leu Gly Leu Lys Phe Ala Glu Xaa Val Tyr Thr Gly Phe Trp His  
35 40 45

Ser Pro Glu Cys Glu Phe Val Arg His Cys Ile Ala Lys Ser Gln Glu  
50 55 60

Arg Val Glu Gly Lys Val Gln Val Ser Val Leu Lys Gly Gln Val Tyr  
65 70 75 80

Ile Leu Gly Arg Glu Ser Pro Leu Ser Leu Tyr Asn Glu Glu Leu Val  
85 90 95

Ser Met Asp Glu Asn Leu Met His Ile Ser Tyr Xaa Ala Gly Ile Leu  
100 105 110

Glu Xaa Pro Lys Asn Gln Ala Leu Xaa Val Leu Asn Glu Asp Pro Xaa  
115 120 125

Pro Ser Gln Ser Pro Asn Asn Pro Asp Ile Ser Glu Ile Glu Phe Lys  
130 135 140

Lys Gly  
145

<210> 1076  
<211> 130  
<212> PRT  
<213> Homo sapiens

<400> 1076

Trp Ile Pro Arg Ala Ala Gly Arg His Val Gly Val Cys Gly Ser Gly  
1 5 10 15

Gly Arg Cys Ser Gly Leu Arg Gly Leu Ala Glu Thr His Pro Phe Ser  
20 25 30

Val Ala Ala Pro Ser Ser Ala Leu Thr Ala Gly Arg Pro Thr Ala Val  
35 40 45

His Pro Gly Glu Ser Thr Val Arg Thr Ile Ala Met Asp Gly Thr Glu  
50 55 60

Gly Leu Val Arg Gly Gln Lys Val Leu Asp Ser Gly Ala Pro Ile Lys  
65 70 75 80

Ile Pro Val Gly Pro Glu Thr Leu Gly Arg Ile Met Asn Val Ile Gly  
85 90 95

Glu Pro Ile Asp Glu Arg Gly Pro Ile Lys Thr Lys Gln Phe Ala Pro  
100 105 110

Ile His Ala Glu Ala Pro Glu Phe Met Glu Met Ser Val Glu Gln Glu  
115 120 125

Ile Leu  
130

<210> 1077

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1077

Gly Gln Gly Gln Asp Gly Ala Thr Gly Ala Gly Leu Ser Ala His Gln  
1 5 10 15

Asp Tyr Leu Lys Pro Arg Ala Glu Glu Glu Arg Arg Ile Ala Ala Glu  
20 25 30

Glu Lys Lys Lys Gln Asp Glu Leu Lys Arg Ile Ala Arg Glu Leu Ala  
35 40 45

Glu Asp Asp Ser Ile Leu Lys  
50 55

<210> 1078

<211> 71

<212> PRT

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<400> 1078

Glu Arg Gln Arg Arg Gly Leu His Val Gln Arg Leu Ser Gly His Leu  
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Arg Val Gln Asp Tyr Asn Ser Arg Gln Gly Ala Gln Asn Asp Arg Pro  
20 25 30

Arg Gln Arg Arg Leu Thr Arg Ile Ser Met Ile Leu Xaa Arg Leu Xaa  
35 40 45

Arg Phe Ser Ser Val Ile Arg Ser Ala Val Ser Val His Leu Arg Arg  
50 55 60

Asn Ile Gly Val Thr Ala Val  
65 70

<210> 1079  
<211> 74  
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<400> 1079

Xaa Gly Ala Val Ile Ile Xaa Phe Arg Ser Lys Ile Lys Xaa Ala Leu  
1 5 10 15

Ala His Phe Leu Ser Lys Xaa Thr Pro Thr Pro Leu Ile Pro Ile Leu  
20 25 30

Val Ile Met Xaa Asn Xaa Ile Leu Leu Xaa Xaa Pro Ile Ala Leu Gly  
35 40 45

Val Ser Leu Ile Ala Tyr Ile Thr Xaa Gly His Xaa Leu Met His Leu  
50 55 60

Ile Gly Xaa Val Pro Tyr Asn Ile Asn His  
65 70

<210> 1080

<211> 39

<212> PRT

<213> Homo sapiens

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Thr	Asp	Tyr	Gly	Xaa	Thr	Ala	Thr	Lys	Gln	Xaa	Val	Xaa	Ala	Gly	Thr
1					5				10					15	

Phe	Phe	Trp	Ser	Val	Val	Ile	Pro	Xaa	Leu	Arg	Arg	Ile	Leu	Thr	Ile
			20					25					30		

Leu	Gln	Trp	Leu	Thr	Xaa	Pro
			35			

<210> 1081

<211> 76

<212> PRT

<213> Homo sapiens

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<400> 1081

Gly	Arg	Xaa	Xaa	Lys	Val	Leu	Lys	Arg	Leu	Arg	Leu	Gln	Lys	Arg	Gly
1				5				10					15		

Thr	Gly	Gly	Val	Asp	Thr	Ala	Ala	Val	Gly	Gly	Val	Phe	Asp	Val	Ser
			20					25					30		

Asn	Ala	Asp	Arg	Leu	Gly	Phe	Ser	Glu	Val	Glu	Leu	Val	Gln	Met	Val
		35				40						45			

Val	Asp	Gly	Val	Lys	Leu	Leu	Ile	Glu	Met	Glu	Gln	Arg	Leu	Glu	Gln
	50					55					60				

Gly	Gln	Ala	Ile	Asp	Asp	Leu	Met	Pro	Ala	Gln	Lys
65						70					75

<210> 1082

<211> 144

<212> PRT

<213> Homo sapiens

<400> 1082

Pro Val Thr Asn Glu Gly Ser Arg Asp Trp Thr Asp Ala Ala Met Pro  
1 5 10 15

Leu Arg Leu Asp Ile Lys Arg Lys Leu Thr Ala Arg Ser Asp Arg Val  
20 25 30

Lys Ser Val Asp Leu His Pro Thr Glu Pro Trp Met Leu Ala Ser Leu  
35 40 45

Tyr Asn Gly Ser Val Cys Val Trp Asn His Glu Thr Gln Thr Leu Val  
50 55 60

Lys Thr Phe Glu Val Cys Asp Leu Pro Val Arg Ala Ala Lys Phe Val  
65 70 75 80

Ala Arg Lys Asn Trp Val Val Thr Gly Ala Asp Asp Met Gln Ile Arg  
85 90 95

Val Phe Asn Tyr Asn Thr Leu Glu Arg Val His Met Phe Glu Ala His  
100 105 110

Ser Asp Tyr Ile Arg Cys Ile Ala Val His Pro Thr Gln Pro Phe Ile  
115 120 125

Leu Thr Ser Ser Asp Asp Met Leu Ile Lys Leu Trp Asp Trp Asp Lys  
130 135 140

<210> 1083

<211> 120

<212> PRT

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<400> 1083

Glu Met Xaa Arg Ser Val Ala Leu Ala Val Leu Ala Leu Leu Ser Leu  
1 5 10 15

Ser Gly Leu Glu Ala Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser  
20 25 30

Arg His Pro Ala Glu Asn Gly Lys Ser Asn Phe Leu Asn Cys Tyr Val  
35 40 45

Ser Gly Phe His Pro Ser Asp Ile Glu Val Asp Leu Leu Lys Asn Gly  
50 55 60

Glu Arg Ile Glu Lys Val Glu His Ser Asp Leu Xaa Phe Ser Lys Asp  
65 70 75 80

Trp Xaa Phe Tyr Leu Leu Tyr Tyr Thr Glu Phe Thr Pro Thr Glu Lys  
85 90 95

Asp Glu Tyr Ala Cys Arg Val Asn His Val Thr Leu Ser Gln Pro Lys  
100 105 110

Ile Val Lys Trp Asp Arg Asp Met  
115 120

<210> 1084

<211> 149

<212> PRT

<213> Homo sapiens

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<400> 1084

Pro Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Thr Ala Ala Arg Arg  
1 5 10 15

Xaa Gln Lys Gly Ile Pro Glu Ala Asp Ser Ile Arg Ala Glu Met Ser  
20 25 30



Arg Ser Val Ala Leu Ala Val Leu Ala Leu Leu Ser Leu Ser Gly Leu  
35 40 45

Glu Ala Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser Arg His Pro  
50 55 60

Ala Glu Ser Gly Lys Ser Asn Phe Leu Asn Cys Tyr Val Ser Gly Phe  
65 70 75 80

His Pro Ser Asp Ile Glu Val Asp Leu Leu Lys Asn Gly Glu Arg Ile  
85 90 95

Glu Lys Val Glu His Ser Asp Leu Ser Phe Ser Lys Asp Trp Ser Phe  
100 105 110

Tyr Leu Leu Tyr Tyr Thr Glu Phe Thr Pro Thr Glu Lys Asp Glu Tyr  
115 120 125

Ala Cys Arg Val Asn His Val Thr Leu Ser Gln Pro Lys Ile Val Lys  
130 135 140

Trp Asp Arg Asp Met  
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<210> 1085

<211> 176

<212> PRT

<213> Homo sapiens

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&lt;222&gt; (176)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1085

Glu Xaa Pro Gly Xaa Asp Xaa Thr Arg Pro Xaa Xaa Lys Phe Leu Lys  
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser  
20 25 30

Lys Leu Thr Tyr Ala Cys Met Xaa Arg His Ser Ser Ser Ile Val Ser  
35 40 45

Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu  
50 55 60

Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe  
65 70 75 80

Ala Ser Trp Arg Asn Ser Xaa Xaa Ala Arg Thr Asp Arg Pro Ser Gln  
85 90 95

Gln Leu Arg Xaa Leu Asn Gly Xaa Trp Asp Ala Pro Xaa Xaa Gly Ala  
100 105 110

Leu Ser Ala Ala Xaa Glu Val Val Thr Xaa Ser Val Thr Ala Thr Leu  
115 120 125

Ala Ser Ala Leu Ala Xaa Ala Pro Phe Ala Phe Phe Pro Xaa Phe Leu

130	135	140
Ala Xaa Phe Ala Gly Phe Pro Arg Gln Ala Leu Asn Arg Gly Leu Pro		
145	150	155 160
Leu Gly Phe Arg Phe Ser Ala Leu Arg Xaa Leu Arg Pro Gln Lys Xaa		
165	170	175

<210> 1086  
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<400> 1086  
 Lys Lys Lys Xaa Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly  
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Arg Xaa Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser  
                   20                                  25                                  30

Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln  
           35                                  40                                  45

Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala  
           50                                  55                                  60

Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr  
           65                                  70                                  75                                  80

Asp Arg Pro Ser Gln Gln Leu Xaa Ser Leu Asn Gly Glu Trp Asp Ala  
                                   85                                  90                                  95

Pro Cys Xaa Gly Ala Leu Ser Ala Ala Gly Val Val Val Thr Arg Ser  
                   100                                  105                                  110

Val Thr Val Thr Leu Ala Ser Ala Leu Ala Pro Xaa Pro Phe Ala Phe  
           115                                  120                                  125

Phe Pro Ser Phe Leu Ala Thr Phe Ala Gly Phe Pro Arg Gln Ala Xaa  
           130                                  135                                  140

Asn Arg Gly Leu Pro Leu Gly Phe Arg Phe Ser Ala Leu Arg His Leu  
           145                                  150                                  155                                  160

Asp Pro Lys Lys Leu Asp  
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<210> 1087

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<400> 1087

Pro Thr Arg Pro Pro Thr Arg Pro Lys Lys Lys Lys Lys Lys Lys Lys  
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Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Arg Ser Lys Gly Ser Lys  
 20 25 30

Leu Thr Tyr Ala Cys Met Gln Xaa His Xaa Ser Pro Ile Val Ser Pro  
 35 40 45

Lys Phe Asn Xaa Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn  
 50 55 60

Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Xaa His Pro Pro Phe Ala  
 65 70 75 80

Ser Trp Xaa Xaa Xaa Xaa Lys Ala Arg Thr Asp Arg Pro Ser Gln Gln  
 85 90 95

Leu Arg Xaa Leu Asn Gly Lys Trp Asp Ala Pro Cys Tyr Gly Ala Leu

100 105 110  
Xaa Pro Xaa Gly Val Val Val Thr Pro Xaa Val Xaa Arg Tyr Thr Cys  
115 120 125  
Xaa Arg Pro Xaa Ala Arg Ser Phe Arg Phe Leu Pro Phe Leu Ser Arg  
130 135 140  
Gln Xaa Xaa Pro Xaa Phe Pro Val Xaa Leu  
145 150

<210> 1088  
<211> 166  
<212> PRT  
<213> Homo sapiens

<220>  
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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1088

Phe	Phe	Ile	Asn	His	Gly	Cys	Ser	Gln	Lys	Lys	Lys	Xaa	Lys	Xaa	Lys
1				5					10					15	

Lys	Lys	Lys	Lys	Lys	Gly	Gly	Arg	Ser	Arg	Gly	Ser	Lys	Leu	Thr	Tyr
			20					25					30		

Ala	Cys	Met	Xaa	Arg	His	Ser	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn
		35					40					45			

Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn	Pro	Gly	Val
50						55					60				

Thr	Gln	Leu	Asn	Arg	Leu	Ala	Ala	His	Pro	Pro	Phe	Ala	Ser	Trp	Arg
65					70					75					80

Asn	Ser	Glu	Xaa	Ala	Arg	Thr	Asp	Arg	Pro	Ser	Gln	Gln	Leu	Arg	Ser
				85					90					95	

Leu	Asn	Gly	Glu	Trp	Asp	Ala	Pro	Cys	Ser	Gly	Ala	Leu	Ser	Ala	Ala
		100						105					110		

Gly	Val	Val	Val	Thr	Arg	Ser	Val	Thr	Xaa	Thr	Leu	Xaa	Ser	Ala	Leu
	115						120					125			

Thr	Pro	Xaa	Pro	Phe	Ala	Phe	Phe	Pro	Ser	Phe	Leu	Pro	Arg	Ser	Xaa
	130					135					140				

Gly	Phe	Pro	Ser	Ser	Ser	Lys	Ser	Gly	Ala	Pro	Leu	Arg	Val	Xaa	Ile
145					150					155					160

Xaa	Gly	Phe	Thr	Gly	Pro
				165	

<210> 1089  
 <211> 104  
 <212> PRT  
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<400> 1089

Asn Lys Lys Lys Lys Lys Arg Ala Ala Ala Leu Glu Asp Pro Lys Leu  
 1 5 10 15

Thr Tyr Ala Cys Met Xaa Arg His Ser Ser Ser Ile Val Ser Pro Lys  
 20 25 30

Phe Asn Ser Leu Gly Arg Arg Phe Thr Thr Ser Val Thr Gly Lys Thr  
 35 40 45

Leu Ala Leu Pro Asn Leu Ile Arg Leu Ala Ala His Pro Pro Phe Ala  
 50 55 60

Ser Trp Arg Asn Ser Glu Glu Ala Arg Xaa Asp Arg Pro Ser Gln Gln

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<400> 1090  
 Pro Thr Xaa Pro Lys Lys Lys Lys Lys Xaa Lys Lys Lys Lys Lys Lys  
 1 5 10 15  
 Lys Lys Lys Xaa Gly Gly Arg Xaa Xaa Gly Ser Lys Leu Thr Tyr Ala  
 20 25 30  
 Cys Met Xaa Arg Xaa Ser Ser Ser Ile Xaa Ser Pro Lys Phe Asn Ser  
 35 40 45  
 Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr  
 50 55 60  
 Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn  
 65 70 75 80  
 Ser Glu Xaa Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Xaa Ser Leu

	85		90		95
Asn Gly Xaa Trp Asp Ala Pro Cys Ser Gly Ala Leu Ser Ala Ala Gly					
	100		105		110
Val Xaa Val Thr Xaa Ser Xaa Thr Val Thr Leu Ala Ser Ala Leu Ala					
	115		120		125

Pro

<210> 1091  
<211> 78  
<212> PRT  
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1091

Glu Thr Ala Met Thr Met Ile Thr Pro Ser Ser Asn Thr Thr His Tyr

1

5

10

15

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1092

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Arg  
1 5 10 15

Ser Xaa Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser  
20 25 30

Xaa Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg  
35 40 45

Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala  
50 55 60

Xaa Pro Pro Xaa Xaa Xaa Trp Xaa Ile Pro Lys Gly Pro  
65 70 75

&lt;210&gt; 1093

&lt;211&gt; 93

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1093

Thr Phe Gln Asn Leu Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly  
1 5 10 15

Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val  
20 25 30

Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp  
35 40 45

Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Xaa Pro  
 50 55 60

Phe Ala Ala Gly Val Ile Xaa Lys Arg Pro Xaa Arg Ser Pro Phe Pro  
 65 70 75 80

Thr Val Ala Gln Pro Glu Trp Arg Met Gly Arg Ala Leu  
 85 90

<210> 1094

<211> 44

<212> PRT

<213> Homo sapiens

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<222> (1)

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1094

Xaa Arg Pro Xaa Leu Glu Thr Pro Asp Tyr Arg Glu Ser Trp Tyr Ala  
 1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Arg  
 20 25 30

Leu Glu Ala Xaa Arg Arg Met Leu Gly Ile Ser Pro  
 35 40

<210> 1095

<211> 69

<212> PRT

<213> Homo sapiens

<220>

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<222> (15)



<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

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<220>

<221> SITE

<222> (65)

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<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1095

Asn	Val	Pro	Cys	Lys	Tyr	Lys	His	Ile	Leu	Ser	Glu	Lys	Lys	Xaa	Lys
1				5					10					15	

Lys	Gly	Gly	Arg	Ser	Xaa	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg
			20					25					30		

Arg	His	Ser	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val
		35					40					45			

Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Lys	Pro	Trp	Ala	Leu	Pro	Asn	Leu
	50					55					60				

Xaa	Xaa	Xaa	Cys	Xaa
				65

<210> 1096

<211> 48

<212> PRT

<213> Homo sapiens

<220>

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<220>  
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<220>  
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<222> (47)  
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<220>  
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<400> 1096  
Gly Xaa Xaa Ser Thr Val Xaa Ile Pro Gly Ser Arg Asp Pro Ser Leu  
1 5 10 15

Arg Thr Xaa His Ala Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe  
20 25 30

Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Xaa Xaa  
35 40 45

<210> 1097  
<211> 47  
<212> PRT  
<213> Homo sapiens

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<400> 1097  
Lys Xaa Xaa Lys Xaa Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr  
1 5 10 15  
Ala Xaa Met Arg Arg His Ser Ser Ser Ile Gly Ser Pro Lys Phe Asn  
20 25 30  
Ser Leu Ala Val Val Leu Gln Arg Xaa Asp Trp Glu Asn Pro Gly  
35 40 45

<210> 1098  
<211> 48  
<212> PRT  
<213> Homo sapiens

<400> 1098  
Ser Glu Thr Pro Ser Gln Lys Lys Lys Lys Lys Thr Arg Gly Gly Ala  
1 5 10 15  
Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile Pro Leu Ala  
20 25 30  
Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Arg Tyr Pro Thr  
35 40 45

<210> 1099

<211> 66

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 1099

Thr Xaa Xaa Lys Lys Lys Arg Ala Ala Ala Leu Xaa Asp Pro Ser Leu



<220>  
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<222> (44)  
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<400> 1100  
Met Leu Asn Tyr Phe Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
1 5 10 15

Gly Gly Xaa Ser Xaa Gly Ser Lys Leu Thr Tyr Xaa Cys Met Gln Xaa  
20 25 30

Xaa Xaa Ser Ser Ile Val Ser Pro Lys Phe Asn Xaa Leu Ala Val Asp  
35 40 45

Xaa Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg  
50 55 60

Leu Ala Ala His Pro Pro Xaa  
65 70

<210> 1101  
<211> 114  
<212> PRT  
<213> Homo sapiens

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&lt;400&gt; 1101

Pro Val Ser Arg Arg Ser Xaa Xaa Xaa Lys Lys Xaa Xaa Lys Lys Asn

1 5 10 15

Ser Lys Ser Phe Ser Xaa Val Leu Leu Xaa Arg Pro Arg Ala His Xaa

20 25 30

Phe Ser Thr Arg Val Gly Tyr Gln Val Ser Val Pro Asn Ser Pro Tyr

35 40 45

Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Xaa Asp

50 55 60

Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro

65 70 75 80

Pro Phe Ala Ser Trp Arg Asn Xaa Glu Lys Gly Arg Xaa Asp Arg Pro

85 90 95

Ser Gln Gln Phe Ala Xaa Pro Glu Met Ala Asn Gly Asn Gln Phe Leu

100 105 110

Xaa Val

&lt;210&gt; 1102

&lt;211&gt; 152

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

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<400> 1102  
Asn Xaa Lys Lys Lys Lys Xaa Lys Lys Lys Xaa Lys Lys Lys Gly Gly  
1 5 10 15

Arg Ser Lys Gly Ser Lys Leu Thr Tyr Ala Cys Met Xaa Arg His Xaa  
20 25 30

Ser Ala Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln  
35 40 45

Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala  
50 55 60

Xaa His Pro Pro Phe Ala Arg Trp Arg Asn Ser Xaa Lys Ala Arg Xaa  
65 70 75 80

Asp Arg Pro Ser Gln Gln Leu Xaa Xaa Leu Asn Gly Xaa Xaa Xaa Ala  
85 90 95

Pro Cys Xaa Gly Ala Leu Ser Ala Ala Gly Val Val Val Thr Xaa Arg

100	105	110
Val Thr Ala Xaa Leu Xaa Xaa Ala Leu Ala Pro Gly Pro Phe Xaa Phe		
115	120	125
Phe Pro Ser Phe Leu Ala Thr Phe Ala Gly Phe Pro Arg Gln Ala Leu		
130	135	140
Asn Arg Gly Val Pro Phe Xaa Val		
145	150	

<210> 1103  
<211> 143  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1103

Ile Asn Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly  
1 5 10 15

Gly Arg Ser Xaa Gly Ser Lys Leu Thr Tyr Ala Cys Met Xaa Arg His  
20 25 30

Ser Ser Ser Ile Xaa Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu  
35 40 45

Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu  
50 55 60

Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Lys Ala Arg  
65 70 75 80

Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Asp  
85 90 95

Ala Pro Cys Xaa Gly Ala Leu Ser Ala Ala Gly Val Val Val Thr Arg  
100 105 110

Ser Val Thr Val Thr Leu Ala Ser Ala Leu Xaa Pro Ala Pro Phe Val  
115 120 125

Ser Ser Leu Xaa Phe Ser Xaa Arg Ser Pro Val Ser Pro Leu Xaa  
130 135 140

<210> 1104

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1104

Arg Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr  
1 5 10 15

Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe  
20 25 30

Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly  
35 40 45

Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp  
50 55 60

Arg Asn Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg  
65 70 75 80

Ser Leu Asn Gly Glu Trp Asp Ala Pro Cys Thr Ala His  
85 90

<210> 1105

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1105

Ile Arg Gln Arg Tyr Ser Trp Leu Ile Asn Gly Thr Phe Gln Gln Ser  
1 5 10 15

Thr Gln Glu Leu Phe Ile Pro Asn Ile Thr Val Asn Asn Ser Gly Ser  
20 25 30

Tyr Thr Cys His Ala Asn Asn Ser Val Thr Gly Cys Asn Arg Ala Thr  
35 40 45

Val Lys Thr Met His Ser His  
50 55

<210> 1106

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1106

Pro	Trp	His	Val	Phe	Cys	Ile	Ser	Gly	Arg	Pro	Ala	Ala	Gln	Asp	His
1				5					10					15	

Ser	Asn	Asp	Pro	Pro	Asn	Lys	Met	Asn	Glu	Val	Thr	Tyr	Xaa	Thr	Leu
			20					25					30		

Asn	Phe	Glu	Xaa	Xaa	Gln	Pro	Thr	Gln	Pro	Thr	Ser	Ala	Ser	Pro	Ser
	35						40					45			

Leu	Thr	Ala	Thr	Glu	Xaa	Ile	Tyr	Ser	Arg	Ser	Lys	Lys	Xaa	Val	Met
50						55					60				

Lys	Pro	Gly	Pro	Ala	Xaa	Cys	Ser	Ala
65						70		

&lt;210&gt; 1107

&lt;211&gt; 137

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (121)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1107

Ser	Ser	His	Asn	Arg	Val	Asn	Ala	Arg	Leu	Ala	Gly	Ala	Pro	Ser	Glu
1					5				10					15	

Asp	Pro	Gln	Phe	Pro	Lys	Val	Gln	Trp	Pro	Pro	Arg	Glu	Leu	Cys	Ser
		20						25					30		

Ala Cys His Asn Glu Arg Leu Asp Val Pro Val Trp Asp Val Glu Ala  
 35 40 45

Thr Leu Asn Phe Leu Lys Ala His Phe Ser Pro Ser Asn Ile Ile Leu  
 50 55 60

Asp Phe Pro Ala Ala Gly Ser Thr Cys Pro Arg Asp Val Gln Asn Val  
 65 70 75 80

Ala Ser Arg Pro Lys Leu Ala Met Gly Ala Leu Glu Leu Glu Ser Arg  
 85 90 95

Asn Ser Thr Leu Asp Pro Gly Lys Pro Glu Met Met Lys Ser Pro Thr  
 100 105 110

Asn Thr Thr Pro His Val Pro Ala Xaa Gly Pro Glu Ala Ser Arg Pro  
 115 120 125

Pro Lys Leu Ala Pro Trp Pro Lys Thr  
 130 135

<210> 1108

<211> 39

<212> PRT

<213> Homo sapiens

<400> 1108

Gln Tyr Lys Gly Ser Trp Pro Ala Leu Gln Leu Gln His Leu Pro His  
 1 5 10 15

Pro Glu Trp Glu Ser Gly Gly Ala Thr Cys Trp Ala Pro Pro Glu Leu  
 20 25 30

Cys Thr His Leu Ala Met Tyr  
 35

<210> 1109

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1109

Ala Asp Phe Asp Arg Phe Lys Val Met Lys Ala Lys Lys Met Arg Asn  
 1 5 10 15

Arg Ile Ile Lys Asn Glu Leu Arg Ser Phe Lys Arg Gln Leu Ser  
 20 25 30

<210> 1110  
<211> 71  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1110  
Lys Ile Met Ala Ser Pro Asp Trp Gly Tyr Asp Asp Lys Xaa Gly Pro  
1 5 10 15



Glu Gln Trp Ser Lys Leu Tyr Pro Ile Ala Asn Gly Asn Xaa Gln Ser  
20 25 30  
Pro Val Asp Ile Xaa Xaa Ser Glu Thr Lys His Asp Thr Ser Leu Xaa  
35 40 45  
Pro Ile Ser Val Ser Tyr Asn Pro Xaa Thr Xaa Lys Glu Ile Xaa Gln  
50 55 60  
Cys Gly Gly Ile Pro Ser Met  
65 70

&lt;210&gt; 1111

&lt;211&gt; 88

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1111

Lys Ile Met Ala Ser Pro Asp Trp Gly Tyr Asp Asp Lys Asn Gly Pro  
1 5 10 15  
Glu Gln Trp Ser Lys Leu Tyr Pro Ile Ala Asn Gly Asn Asn Gln Ser  
20 25 30  
Pro Val Asp Ile Lys Thr Ser Glu Thr Lys His Asp Thr Ser Leu Lys  
35 40 45  
Pro Ile Ser Val Ser Tyr Asn Pro Ala Thr Ala Lys Glu Ile Ile Asn  
50 55 60  
Val Gly His Ser Phe His Val Asn Phe Glu Asp Asn Asp Xaa Arg Ser  
65 70 75 80  
Ser Ala Glu Arg Trp Ser Phe Leu  
85

&lt;210&gt; 1112

&lt;211&gt; 120

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (54)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (86)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (90)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1112  
Gly Ala Asp Ser Cys Pro Ala Pro Thr Ala Xaa Arg Thr Xaa Ser His  
1 5 10 15

Xaa Trp Gly Tyr Gly Lys His Asn Gly Pro Lys His Trp His Lys Asp  
20 25 30

Phe Pro Ile Ala Lys Gly Arg Ala Pro Val Pro Leu Leu Xaa Ser Thr  
35 40 45

Leu His Thr Ala Lys Xaa Glu Pro Phe Xaa Glu Ser Pro Cys Leu Phe

50                                      55                                      60  
 Pro Met Asn Gln Ala Thr Ser Leu Arg Ile Leu Asn Asn Gly His Ala  
 65                                      70                                      75                                      80  
 Phe Asn Val Gly Val Xaa Met Thr Leu Xaa Asp Lys Ala Val Leu Gln  
                                     85                                      90                                      95  
 Gly Lys Asp Pro Trp Val Gly His Phe Thr Asp Trp Phe Ser Phe Phe  
                                     100                                      105                                      110  
 Gln Phe Ser Met Gly Val Ser Ile  
                                     115                                      120

<210> 1113

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1113

Met Leu Leu Glu Asn Lys Ala Ser Ile Phe Gly Gly Gly Leu Pro Ala  
 1                                      5                                      10                                      15

Pro Tyr Gln Val Lys Xaa Leu His Leu His Trp Ser Asp Leu Pro Tyr  
                                     20                                      25                                      30

Lys Gly Ser Xaa His Ser Leu Glu Trp Gly Ala Leu Cys His Gly Arg  
                                     35                                      40                                      45

Cys Thr  
       50

<210> 1114

<211> 84

<212> PRT

<213> Homo sapiens

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (62)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1114  
Lys Pro Phe Lys Met Ile Pro Gly Val Val Asp Gly Val Phe Leu Pro  
1 5 10 15

Arg His Pro Gln Xaa Leu Leu Ala Ser Ala Asp Phe Gln Pro Val Pro  
20 25 30

Xaa Ile Val Gly Val Asn Asn Asn Glu Phe Gly Trp Leu Ile Pro Lys  
35 40 45

Val Met Xaa Ile Tyr Asp Thr Gln Xaa Glu Met Asp Arg Xaa Ala Ser  
50 55 60

Xaa Ala Ala Leu Gln Lys Met Leu Thr Leu Leu Ile Cys Leu Leu His  
65 70 75 80

Leu Val Thr Cys

<210> 1115  
<211> 40  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1115  
Cys Thr Gln Glu Leu Phe Ile Pro Asn Ile Thr Val Asn Asn Arg Gly  
1 5 10 15  
Ser Xaa Xaa Cys Gln Ala His Asn Ser Thr Leu Ala Leu Ile Gly Ala  
20 25 30  
Gln Ser Arg Ile Ser Xaa Ser Met  
35 40

<210> 1116  
<211> 151  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (132)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (141)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1116  
Gly Thr Ala Glu Leu Thr Val Thr Ala Ala Leu Thr Arg Glu Phe Leu  
1 5 10 15

Glu Pro Lys Leu Phe Ser Thr Glu Asp Lys Gln Ala Ala Glu Thr Met  
20 25 30

Gly Ser Pro Ser Ala Cys Pro Tyr Arg Val Cys Ile Pro Trp Gln Gly  
35 40 45

Leu Leu Leu Thr Ala Ser Leu Leu Thr Phe Trp Asn Leu Pro Asn Ser  
50 55 60

Ala Gln Thr Asn Ile Asp Val Val Pro Phe Asn Val Ala Glu Gly Lys  
65 70 75 80

Glu Val Leu Leu Val Val His Asn Glu Ser Gln Asn Leu Tyr Gly Tyr  
85 90 95

Asn Trp Tyr Lys Gly Glu Arg Val His Ala Asn Tyr Arg Ile Ile Gly  
100 105 110

Tyr Cys Lys Lys Tyr Lys Ser Arg Lys Cys Pro Arg Pro Asp Thr Thr  
115 120 125

Ser Arg Asp Xaa Tyr Pro Met Glu Pro Cys Val Pro Xaa Val Pro His  
130 135 140

Ala Gln Asp Phe Ser Ser Leu  
145 150

<210> 1117  
<211> 115  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (35)  
<223> xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (113)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1117  
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Thr Ala Leu Glu Leu  
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Arg Pro Gly Leu  
20 25 30

Ala Arg Xaa Pro Arg Arg Gly Leu Glu Ala Arg Pro Gly Ala Pro Glu  
35 40 45

Arg Glu Ser Glu Arg Arg Arg Gly Asp Gln Ile Asn Ala Ser Lys Asn  
50 55 60

Glu Glu Asp Ala Gly Lys Met Phe Val Gly Gly Leu Ser Trp Asp Thr  
65 70 75 80

Ser Lys Lys Asp Leu Lys Asp Tyr Phe Thr Lys Phe Gly Glu Val Val  
85 90 95

Asp Cys Thr Ile Lys Met Asp Pro Asn Thr Gly Arg Ser Arg Gly Phe  
100 105 110

Xaa Phe Ile  
115

<210> 1118

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1118  
Arg Pro Thr Xaa Pro Gly Arg Thr Met Ala Arg Gly Ala Xaa Leu Xaa  
1 5 10 15  
Leu Leu Leu Xaa Gly Leu Leu Gly Val Leu Val Xaa Xaa Pro Asp Gly  
20 25 30  
Gly Phe Asp Leu Ser Asp Ala Leu Xaa Asp Asn Glu Asn Lys Lys Pro  
35 40 45  
Thr Ala  
50

<210> 1119  
<211> 147  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (95)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1119  
Xaa Ser Glu Cys Lys Ser Pro Ser Glu Pro Xaa Ile Xaa Lys Arg Val



1                      5                      10                      15  
 Gly Leu Ile His Ile Ser Gln Val Ile Ser Glu Ile Asp Gly Asn Arg  
                     20                      25                      30  
 Met Thr Leu Ser Gln Glu Gly Ala Gln Asp Ser Phe Pro Leu Gln Gln  
                     35                      40                      45  
 Lys Ile Leu Val Cys Ser Leu Met Leu Leu Ile Arg Gln Leu Lys Ile  
                     50                      55                      60  
 Lys Glu Val Thr Leu Gly Lys Leu Tyr Glu Ala Tyr Ser Lys Val Cys  
                     65                      70                      75                      80  
 Arg Lys Gln Gln Val Ala Ala Val Asp Gln Ser Glu Cys Leu Xaa Leu  
                     85                      90                      95  
 Ser Gly Leu Leu Glu Ala Arg Gly Ile Leu Gly Leu Lys Arg Asn Lys  
                     100                      105                      110  
 Glu Thr Arg Leu Thr Lys Val Phe Phe Lys Ile Glu Glu Lys Glu Ile  
                     115                      120                      125  
 Glu His Ala Leu Lys Asp Lys Ala Leu Ile Gly Asn Ile Leu Ala Thr  
                     130                      135                      140  
 Gly Leu Pro  
 145

<210> 1120  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<400> 1120  
 His Glu Arg Asn Met Glu Arg Leu Thr Leu Ala Cys Gly Gly Val Ala  
   1                      5                      10                      15  
 Leu Asn Ser Phe Glu Asp Leu Ser Pro Asp Cys Leu Gly His Ala Gly  
                     20                      25                      30  
 Leu Val Tyr Glu Tyr Thr Leu Gly Glu Val His Leu Tyr  
                     35                      40                      45

<210> 1121  
 <211> 67  
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1121

Asn	Trp	Arg	Met	Arg	Met	Xaa	His	Val	Met	Leu	Pro	Lys	Asp	Ile	Ala
1				5					10					15	

Lys	Leu	Val	Pro	Lys	Thr	His	Leu	Met	Ser	Glu	Ser	Glu	Trp	Arg	Asn
		20						25						30	

Leu	Gly	Val	Gln	Gln	Ser	Gln	Gly	Trp	Val	His	Tyr	Met	Ile	His	Glu
		35						40					45		

Pro	Glu	Pro	Xaa	Xaa	Leu	Leu	Phe	Arg	Gly	His	Xaa	Gln	Glu	Pro	Arg
	50					55						60			

Asn	Xaa	Val
		65

<210> 1122

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1122

Ser	Cys	Cys	Leu	Gly	Trp	Thr	Trp	Phe	Cys	Leu	Leu	Xaa	Pro	Leu	Leu
1				5				10				15			

Xaa	Leu	Xaa	Xaa	Asn	Xaa	Xaa	Gln	Xaa	Ala	Ser	Xaa	Met	Val	His	Lys
			20				25					30			

Gln	Ile	Tyr	Tyr	Ser	Asp	Lys	Tyr	Xaa	Xaa	Glu	His	Tyr	Glu	Xaa	Arg
		35				40						45			

Asp	Gly	Met	Leu	Pro	Arg	Glu	Leu	Asp	Lys	Gln	Xaa	Pro	Lys	Thr	Xaa
	50					55					60				

<210> 1123

<211> 155

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (143)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1123

Gln	Leu	Val	Gly	Pro	Pro	Gly	Leu	Gln	Xaa	Phe	Gly	Ser	Xaa	Xaa	Lys
1				5				10						15	

Pro	Tyr	Gly	Val	Thr	Ala	Met	Cys	Trp	Asn	Trp	Glu	Gln	Val	Xaa	Ala
		20					25						30		

Ala	Gly	Arg	His	Pro	Glu	Ser	Arg	Pro	Phe	Arg	Phe	Thr	Gly	Ala	Ala
	35						40					45			

Thr	Ser	Pro	Arg	Ser	Ser	Cys	Ser	Arg	Ala	Cys	Ile	Val	Lys	Val	Val
	50					55					60				

Arg	Arg	Arg	Leu	Ala	Glu	Lys	Arg	Ile	Gly	Val	Arg	Asp	Val	Arg	Leu
65					70				75					80	

Asn	Gly	Ser	Ala	Ala	Ser	His	Val	Leu	His	Gln	Asp	Ser	Gly	Leu	Gly
			85						90					95	

Tyr	Lys	Asp	Leu	Asp	Leu	Ile	Phe	Cys	Ala	Asp	Leu	Arg	Gly	Glu	Gly
		100					105						110		

Glu	Phe	Gln	Thr	Val	Lys	Asp	Val	Val	Leu	Asp	Cys	Leu	Leu	Asp	Phe
	115						120					125			

Leu	Pro	Glu	Gly	Val	Asn	Lys	Glu	Lys	Ile	Thr	Pro	Leu	Thr	Xaa	Lys
	130					135					140				

Glu	Ala	Tyr	Val	Gln	Lys	Met	Val	Lys	Val	Cys
145					150					155

&lt;210&gt; 1124

&lt;211&gt; 117

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1124

Ala	Lys	Ser	Phe	Glu	Tyr	Xaa	Ala	Arg	Ile	Phe	Lys	Gln	His	Phe	Met
1				5					10					15	

Asp	Ser	Arg	Ile	Pro	Cys	Leu	Ile	Val	Ala	Ala	Lys	Ser	Asp	Leu	His
			20					25					30		

Glu	Val	Lys	Gln	Glu	Tyr	Ser	Ile	Ser	Pro	Thr	Asp	Phe	Cys	Arg	Lys
		35					40					45			

His	Lys	Met	Pro	Pro	Pro	Gln	Ala	Phe	Thr	Cys	Asn	Thr	Ala	Asp	Ala
		50				55					60				

Pro	Ser	Lys	Asp	Ile	Phe	Gly	Lys	Leu	Thr	Thr	Met	Ala	Met	Tyr	Pro
	65				70					75					80

His	Ala	Arg	Leu	Arg	Cys	Xaa	Cys	Thr	Cys	Asn	Arg	Cys	Thr	Phe	Cys
			85						90					95	

Xaa	Cys	Xaa	Asn	Phe	Leu	Asn	Leu	Tyr	Phe	Ala	Ala	Asn	Xaa	Val	Lys
			100					105					110		

Glu	Gln	Lys	Ser	Phe
				115

<210> 1125

<211> 169

1244

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1125

Ile Met Lys Leu Leu Thr Arg Ala Gly Ser Phe Ser Arg Phe Tyr Ser  
 1 5 10 15

Leu Lys Val Ala Pro Lys Val Lys Ala Thr Ala Ala Pro Ala Gly Ala  
 20 25 30

Pro Pro Gln Pro Gln Asp Leu Glu Phe Thr Lys Leu Pro Asn Gly Leu  
 35 40 45

Val Ile Ala Ser Leu Glu Asn Tyr Ser Pro Val Ser Arg Ile Gly Leu  
 50 55 60

Phe Ile Lys Ala Gly Ser Arg Tyr Glu Asp Phe Ser Asn Leu Gly Thr  
 65 70 75 80

Thr His Leu Leu Arg Leu Thr Ser Ser Leu Thr Thr Lys Gly Ala Ser  
 85 90 95

Ser Phe Lys Ile Thr Arg Gly Ile Glu Ala Val Gly Gly Lys Leu Ser  
 100 105 110

Val Thr Ala Thr Arg Glu Asn Met Ala Tyr Thr Val Glu Cys Leu Arg  
 115 120 125

Gly Asp Val Asp Ile Leu Met Glu Phe Leu Leu Asn Val Thr Thr Ala  
 130 135 140

Pro Glu Phe Arg Arg Trp Glu Val Ala Asp Leu Gln Pro Gln Leu Lys  
 145 150 155 160

Ile Asp Lys Ala Val Ala Phe Gln Asn  
 165

&lt;210&gt; 1126

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1126

Pro Pro Val Val His Lys Asn Pro Ile His Ile Lys Thr Pro Ser Pro  
 1 5 10 15

Cys Leu Gln Ala Ser Thr Ala Ile Asn Pro Gln Leu Ser His Ile Asn  
 20 25 30

Cys Asn Ser Lys Ala Thr Pro His Pro Leu Gly Tyr Gln Gln Thr Tyr  
 35 40 45

Pro Pro Leu Thr Val His Ser Thr  
 50 55

<210> 1127  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1127  
 Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Ala Ala Leu Glu Leu  
 1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Gly Gly Cys Val  
 20 25 30

Leu Gly Lys Ala Gly Gly Xaa Gly Gly Arg Leu Phe Tyr Gly Ser Arg  
 35 40 45

Asp Arg Pro Val Leu Leu Pro Phe Pro Pro Ser Leu Pro Pro Leu Ser  
 50 55 60

Arg Arg Gly Ala Ala Ala Ala Leu Asp Phe Ala Val Phe Pro Arg Gly  
 65 70 75 80

Asp Arg Phe Gln His Tyr Thr Cys Thr Met Ser Leu Lys Pro Arg Val  
 85 90 95

Val Asp Phe Asp Glu Thr Trp Asn Lys Leu Leu Thr Thr Ile Lys Ala  
 100 105 110

Val Val Met Leu Glu Tyr Val Glu Arg Ala Thr Trp Asn Asp Arg Phe  
 115 120 125

Ser Asp Ile Tyr Ala Leu Cys Val Ala Tyr Pro Glu Pro Leu Gly Glu  
 130 135 140

Arg Leu Tyr Thr Glu Thr Lys Ile Phe Leu Glu Asn His Val Arg His  
 145 150 155 160

Leu His Lys Arg Val Leu Glu Ser Glu Glu Gln Val Leu Val Met Tyr  
 165 170 175



His Arg Tyr Trp Glu Glu Tyr Ser Lys Gly Ala Asp Tyr Met Asp Cys  
 180 185 190

Leu Tyr Arg  
 195

<210> 1128

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1128

Ser Ile Ile Asp Arg Phe Met Gln Asn Asn Cys Val Pro Lys Lys Met  
 1 5 10 15

Leu Gln Leu Val Gly Val Thr Ala Met Phe Ile Ala Ser Lys Tyr Glu  
 20 25 30

Glu Met Tyr Pro Pro Glu Ile Gly Asp Phe Ala Phe Val Thr Asp Asn  
 35 40 45

Thr Tyr Thr Lys His Gln Ile Arg Gln Met Glu Met Lys Ile Leu Arg  
 50 55 60

Ala Leu Asn Phe Gly Leu Gly Arg Pro Leu Pro Leu His Phe Leu Arg  
 65 70 75 80

Arg Ala Ser Lys Ile Gly Glu Val Asp Val Glu Gln His Thr Leu Ala  
 85 90 95

Lys Tyr Leu Met Glu Leu Thr Met Leu Asp Tyr Asp Met Val His Phe  
 100 105 110

Pro Pro Ser Xaa Ile Ala Ala Gly Ala Xaa Cys Leu Ala Leu Lys Ile  
 115 120 125

Leu Gly  
 130

<210> 1129  
<211> 125  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (90)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1129  
Gly Asp Glu Glu Ala Cys Pro Glu Asp Lys Gly Pro Gln Asp Pro Gln  
1 5 10 15  
Ala Leu Ala Leu Asp Thr Gln Ile Pro Ala Thr Pro Gly Pro Lys Pro  
20 25 30  
Leu Val Arg Thr Ser Arg Glu Pro Gly Lys Asp Val Thr Thr Ser Gly  
35 40 45  
Tyr Ser Ser Val Ser Thr Ala Ser Pro Thr Ser Ser Val Asp Gly Gly  
50 55 60  
Leu Gly Ala Leu Pro Gln Pro Thr Ser Val Leu Ser Leu Asp Ser Asp  
65 70 75 80  
Ser His Thr Gln Pro Cys His His Gln Xaa Arg Lys Ser Cys Leu Gln  
85 90 95  
Cys Arg Pro Pro Ser Pro Pro Glu Ser Ser Val Pro Gln Gln Gln Val  
100 105 110  
Lys Arg Ile Asn Tyr Ala Tyr Thr Val Lys Arg Arg Thr  
115 120 125

<210> 1130  
<211> 118  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1130

Xaa Thr Arg Pro Pro Thr Arg Pro Pro Thr Arg Pro Gln Ile Pro Ser  
 1 5 10 15  
 Val Ala Ala Lys Met Met Cys Gly Ala Pro Ser Ala Thr Gln Pro Ala  
 20 25 30  
 Thr Ala Glu Thr Gln His Ile Ala Asp Gln Val Arg Ser Gln Leu Glu  
 35 40 45  
 Glu Lys Glu Asn Lys Lys Phe Pro Val Phe Lys Ala Val Ser Phe Lys  
 50 55 60  
 Ser Gln Val Val Ala Gly Thr Asn Tyr Phe Ile Lys Val His Val Gly  
 65 70 75 80  
 Asp Glu Asp Phe Val His Leu Arg Val Phe Gln Ser Leu Pro His Glu  
 85 90 95  
 Asn Lys Pro Leu Thr Leu Ser Asn Tyr Gln Thr Asn Lys Ala Lys His  
 100 105 110  
 Asp Glu Leu Thr Tyr Phe  
 115

<210> 1131  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<400> 1131  
 Ala Val Pro Thr Leu Gly Leu Lys Thr Asp Ala Ile Pro Gly Arg Leu  
 1 5 10 15  
 Asn Gln Thr Thr Phe Thr Ala Thr Arg Pro Gly Val Tyr Tyr Gly Gln  
 20 25 30  
 Cys Ser Glu Ile Cys Gly Ala Asn His Ser Phe Met Pro Ile Val Leu  
 35 40 45  
 Glu Leu Ile Pro Leu Lys Ile Phe Glu Ile Gly Pro Val Phe Thr Leu  
 50 55 60

<210> 1132  
 <211> 35

<212> PRT  
<213> Homo sapiens

<400> 1132  
Ala Arg Ala His Lys Glu Ile Tyr Pro Tyr Val Ile Gln Glu Leu Arg  
1 5 10 15  
Pro Thr Leu Asn Glu Leu Gly Ile Ser Thr Pro Glu Glu Leu Gly Leu  
20 25 30  
Asp Lys Val  
35

<210> 1133  
<211> 69  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (61)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1133  
Pro Tyr Thr Asn Asp Gly Ala Met Xaa His Glu Glu Ser Thr Tyr Gln  
1 5 10 15  
Gly His His Thr Pro Pro Val Gln Lys Xaa Leu Arg Tyr Gly Ile Ile  
20 25 30  
Leu Phe Ile Thr Ser Glu Val Phe Phe Phe Ala Gly Phe Ser Glu Leu  
35 40 45

Leu His Ser Ser Leu Ala Leu Pro Pro Thr Lys Lys Xaa Leu Ala Pro

50

55

60

Thr Xaa Ile Thr Arg

65

&lt;210&gt; 1134

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1134

Ala Val Pro Thr Leu Gly Leu Lys Thr Asp Ala Ile Pro Gly Arg Leu  
1 5 10 15

Asn Gln Thr Thr Phe Thr Ala Thr Arg Pro Gly Val Tyr Tyr Gly Gln  
20 25 30

Cys Ser Glu Ile Cys Gly Ala Asn His Ser Phe Met Pro Ile Val Leu  
35 40 45

Glu Leu Ile Pro Leu Lys Ile Phe Glu Ile Gly Pro Val Phe Thr Leu  
50 55 60

&lt;210&gt; 1135

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1135

Thr Tyr Xaa Val His Arg Leu Arg Arg Thr Asn Leu Gln Leu Leu His  
1 5 10 15

Thr Ser Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu Leu Asp Val  
20 25 30

Asp Asn Arg Val Val Leu Pro Ile Glu Ala Pro Ile Arg Ile Ile Ile  
35 40 45

Thr Ser Gln Asp Val Leu His Ser

50

55

&lt;210&gt; 1136

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1136

Ala Gln Val Gly Leu Gln Asp Ala Thr Ser Pro Ile Ile Glu Glu Leu  
1 5 10 15

Ile Thr Phe His Asp His Ala Leu Ile Ile Ile Phe Leu Ile Cys Phe  
20 25 30

Leu Val Leu Tyr Ala Leu Phe Leu Thr Leu Thr Thr Lys Leu Thr Asn  
35 40 45

Thr Asn Ile Ser Asp Ala Gln Glu Ile Glu Thr Val  
50 55 60

&lt;210&gt; 1137

&lt;211&gt; 49

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1137

Thr Tyr Glu Tyr Thr Asp Tyr Gly Gly Leu Ile Phe Asn Ser Tyr Ile  
1 5 10 15

Leu Pro Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu Leu Asp Val  
20 25 30

Asp Asn Arg Val Val Leu Pro Ile Glu Ala Pro Ile Arg Ile Ile Ile  
35 40 45

Asn

&lt;210&gt; 1138

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1138

Ala	Val	Pro	Thr	Leu	Gly	Leu	Lys	Thr	Asp	Ala	Ile	Pro	Gly	Arg	Leu
1				5				10					15		

Asn	Gln	Thr	Thr	Phe	Thr	Ala	Thr	Arg	Pro	Gly	Val	Tyr	Tyr	Gly	Gln
		20					25						30		

Cys	Ser	Glu	Ile	Cys	Gly	Ala	Asn	His	Ser	Phe	Met	Pro	Ile	Val	Leu
		35					40					45			

Glu	Leu	Ile	Pro	Leu	Lys	Ile	Phe	Gly	Asn	Arg	Ala	Arg	Ile	Tyr	Pro
	50					55					60				

Ile	Ala	Pro	Pro	Leu	Pro	Pro	Leu	Glu	Xaa	Lys	Lys	Lys	Lys	Xaa	Xaa
65					70					75				80	

<210> 1139

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1139

Phe Glu Ala Asn Asp Pro Ser Leu Thr Ile Lys Ser Ile Gly His Gln  
1 5 10 15

Xaa Tyr Arg Thr Tyr Glu Tyr Thr Asp Tyr Gly Gly Leu Ile Phe Asn  
20 25 30

Ser Tyr Ile Leu Pro Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu  
35 40 45

Leu Asp Xaa Asp Asn Arg Val Val Leu Pro Ile Glu Thr Pro Ile Arg  
50 55 60

Ile Ile Ile Thr Tyr Xaa Asp Val Leu His Ser  
65 70 75

<210> 1140

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1140

His Xaa Pro Ser Leu Lys Gly Thr Lys Ala Gly Ala Pro Pro Arg Cys  
1 5 10 15

Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr  
20 25 30

Arg Glu Trp Arg Leu Pro Ser Leu Arg Arg Ala Thr Leu Trp Ile Pro  
35 40 45

Gln Trp Phe Ala Lys Lys Ala Ile Phe Asn Ser Pro Leu Glu Ala Ala  
50 55 60

Met Ala Phe Pro His Leu Gln Gln Pro Ser Phe Leu Leu Ala Ser Leu  
65 70 75 80

Lys Ala Asp Ser Ile Asn Lys Pro Phe Ala Gln Gln Cys Gln Asp Leu  
85 90 95

Val Lys Val Ile Glu Asp Phe Pro Ala Lys Ser Glu Pro Ile Arg Val



100	105	110
Leu Val Thr Gly Ala Ala Gly Gln Ile Ala Tyr Ser Leu Leu Tyr Ser		
115	120	125
Ile Gly Asn Gly Ser Val Phe Gly Lys Asp Gln Met Ser Ser Gln Gln		
130	135	140
Ile Lys Lys Thr Leu Pro Ser Lys Thr Trp Asp Val Ala Ile Leu Val		
145	150	155
Gly Ser Met Pro Arg Arg Glu Gly Met Glu Arg Lys Asp Leu Leu Lys		
165	170	175
Ala Asn Val Lys Ile Phe Lys Ser Gln Gly Ala Ala Leu Asp Lys Tyr		
180	185	190
Gly Lys Lys Ser Val Lys Gly Tyr		
195	200	

&lt;210&gt; 1141

&lt;211&gt; 182

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (123)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (126)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (128)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (137)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (143)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (157)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (163)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (165)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (176)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1141

His	Glu	Glu	His	Ser	Ile	Tyr	Cys	Thr	Val	Asn	Asn	Asp	Glu	Gly	Glu
1				5					10					15	

Trp	Ser	Gly	Pro	Pro	Pro	Glu	Cys	Arg	Gly	Lys	Ser	Leu	Thr	Ser	Lys
			20					25					30		

Val	Pro	Pro	Thr	Val	Gln	Lys	Pro	Thr	Thr	Val	Asn	Val	Pro	Thr	Thr
			35				40					45			

Glu	Val	Ser	Pro	Thr	Ser	Gln	Lys	Thr	Thr	Thr	Lys	Thr	Thr	Thr	Pro
	50					55					60				

Asn	Ala	Gln	Gly	Thr	Glu	Thr	Pro	Ser	Val	Leu	Gln	Lys	His	Thr	Thr
65					70					75				80	

Glu	Asn	Val	Ser	Ala	Thr	Arg	Thr	Pro	Pro	Thr	Pro	Gln	Lys	Pro	Thr
				85						90				95	

Thr	Val	Asn	Val	Pro	Ala	Thr	Ile	Val	Thr	Pro	Thr	Pro	Gln	Lys	Pro
			100					105					110		

Thr	Thr	Leu	Met	Phe	Gln	Leu	Gln	Glu	Ser	Xaa	Gln	His	Xaa	Lys	Xaa
		115					120					125			

His	Leu	Val	Met	Phe	Gln	Leu	Gln	Xaa	Leu	Pro	Leu	Phe	Gly	Xaa	His
	130					135					140				

Arg	Gly	Asn	Val	Arg	His	His	Ser	Arg	Ala	Phe	Gly	Xaa	Ser	Phe	Lys
145					150					155					160

Thr Phe Xaa Lys Xaa Phe Cys Val Arg Ser Cys Gly Met Phe Cys Xaa  
165 170 175

Arg Pro Leu Arg Pro Gly  
180

<210> 1142

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1142

Asp Gly Ala Xaa Pro Gly Arg Ala Tyr Ala Leu Leu Leu Leu Leu Ile  
1 5 10 15

Cys Phe Asn Val Gly Ser Gly Leu His Leu Gln Val Leu Ser Thr Arg  
20 25 30

Asn Glu Asn Lys Leu Leu Pro Lys His Pro His Leu Val Arg Gln Lys  
35 40 45

Arg Ala Trp Ile Thr Ala Pro Val Ala Leu Arg Glu Gly Glu Asp Leu  
50 55 60

Ser Lys Lys Asn Pro Ile Ala Lys Ile His Ser Asp Leu Ala Glu Glu  
65 70 75 80

Arg Gly Leu Lys Ile Thr Tyr Lys Tyr Thr Gly Lys Gly Ile Thr Glu  
85 90 95

Pro Pro Phe Gly Ile Phe Val Phe Asn Lys Asp Thr Gly Glu Leu Asn  
100 105 110

Val Thr Ser Ile Leu Asp Arg Glu Glu Thr Pro Phe Phe Leu Leu Thr  
115 120 125

Gly Leu Arg Phe Gly Cys Lys Arg Glu Gln Cys Arg Xaa Thr Leu  
130 135 140

<210> 1143  
<211> 111  
<212> PRT  
<213> Homo sapiens

<400> 1143  
Ala Gln Ser Pro Ser Arg Ser Thr Gly Gln Asp Val Ala Ala Glu Trp  
1 5 10 15  
Gly Ser Glu Glu Ser Val Ala Gly Ser Leu Glu Ala Glu Phe Glu Lys  
20 25 30  
Ala Ala Glu Glu Val Arg His Leu Lys Thr Lys Pro Ser Asp Glu Glu  
35 40 45  
Met Leu Phe Ile Tyr Gly His Tyr Lys Gln Ala Thr Val Gly Asp Ile  
50 55 60  
Asn Thr Glu Arg Pro Gly Met Leu Asp Phe Thr Gly Lys Ala Lys Trp  
65 70 75 80  
Asp Ala Trp Asn Glu Leu Lys Gly Thr Ser Lys Glu Asp Ala Met Lys  
85 90 95  
Ala Tyr Ile Asn Lys Val Glu Glu Leu Lys Lys Lys Tyr Gly Ile  
100 105 110

<210> 1144  
<211> 74  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (68)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1144  
Ala Cys Ala Tyr Thr Pro Pro Ser Xaa Lys Ala Val Gln Arg Ile Ala  
1 5 10 15  
Glu Ser His Xaa Gln Ser Xaa Ser Asn Leu Asn Glu Asn Xaa Ala Ser  
20 25 30  
Glu Glu Glu Xaa Glu Xaa Gly Glu Leu Arg Glu Leu Gly Tyr Pro Arg  
35 40 45  
Glu Glu Asp Glu Glu Glu Glu Glu Xaa Asp Glu Glu Glu Glu Asp Xaa  
50 55 60  
Glu Asp Ser Xaa Ala Glu Asp Xaa Ser Gly  
65 70

<210> 1145  
<211> 153  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (47)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (59)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (110)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1145

Asn	Xaa	Pro	Asn	Ala	Glu	Leu	Gly	Gly	Pro	Phe	Asn	Gln	Met	Asn	Gly
1				5					10					15	

Val	Xaa	Gly	Asn	Gly	Met	Asn	Asn	Ile	Asp	Met	Thr	Gly	Xaa	Lys	Lys
			20					25						30	

Ser	Leu	Xaa	Leu	Pro	Tyr	Pro	Ser	Ser	Phe	Ala	Pro	Val	Ser	Xaa	Pro
		35					40					45			

Arg	Asn	Gln	Thr	Phe	Thr	Tyr	Met	Gly	Lys	Xaa	Ser	Ile	Asp	Pro	Gln
	50					55						60			

Tyr	Pro	Gly	Ala	Ser	Xaa	Tyr	Pro	Glu	Gly	Ile	Ile	Asn	Ile	Val	Ser
65					70					75				80	

Ala	Gly	Ile	Leu	Gln	Gly	Val	Thr	Ser	Pro	Ala	Ser	Thr	Thr	Ala	Ser
				85					90					95	

Ser	Ser	Val	Thr	Ser	Ala	Ser	Pro	Asn	Pro	Leu	Ala	Thr	Xaa	Pro	Leu
			100					105					110		

Gly	Val	Cys	Thr	Met	Ser	Gln	Thr	Gln	Pro	Asp	Leu	Asp	His	Leu	Tyr
		115					120					125			

Ser	Pro	Pro	Xaa	Pro	Pro	Pro	Pro	Tyr	Ser	Gly	Cys	Ala	Gly	Xaa	Leu
	130					135					140				

Tyr	Gln	Asp	Pro	Ser	Ala	Phe	Leu	Leu
145					150			

<210> 1146

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1146

Xaa Phe Gln Ile Asp Pro Xaa Leu Gly Thr Val Gly Phe Gly Ser Gly  
1 5 10 15

Leu His Gly Trp Ala Phe Thr Leu Lys Ala Val Cys Arg Glu Cys Met  
20 25 30

<210> 1147

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1147

Ala Xaa His Gln Arg Xaa Xaa Xaa Ile Lys Arg Leu Ser Thr Glu His  
1 5 10 15

Ser Ser Val Ser Glu Tyr His Pro Ala Asp Gly Tyr Ala Phe Ser Ser  
20 25 30

Asn Ile Tyr Thr Arg Gly Ser His Leu Asp Gln Gly Glu Ala Ala Val  
35 40 45



Ala Phe Lys Pro Thr Ser Asn Arg His Ile Arg Leu Lys Leu  
50 55 60

<210> 1148

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1148

Gly Arg Ala Leu Arg Ala Xaa Arg Leu Thr Gln Leu Thr Glu Ile Leu  
1 5 10 15

Ser Gly Gly Val Tyr Ile Glu Lys Asn Asp Lys Leu Cys His Met Asp  
20 25 30

Thr Ile Asp Trp Arg Asp Ile Val Arg Asp Arg Asp Ala Glu Ile Val  
35 40 45

Val Lys Asp Asn Gly Xaa Lys Leu Ser Pro Leu Ser  
50 55 60

<210> 1149

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1149

Phe Gln Thr Arg Asn Leu Gln Val Thr Leu Glu Asp Gly Tyr Ile Glu  
1 5 10 15

Leu Ser Thr Ser Asp Arg Xaa Gly Pro Ile Phe Lys Ser Pro Gln Thr  
20 25 30

Tyr Met Asp Gly Leu Leu His Tyr Val Ser Val Ile Ser Asp Asn Ser  
           35                          40                          45

Gly

<210> 1150

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1150

Pro Ala Ala Arg Xaa Xaa Val Pro Arg Ala Met Glu Arg Ala Ser Leu  
       1                      5                          10                          15

Ile Gln Lys Ala Xaa Leu Ala Glu Gln Ala Glu Arg Tyr Glu Asp Met  
           20                          25                          30

Ala Ala Phe Met Xaa Gly Ala Val Glu Lys Gly Glu Glu Ser Pro Ala  
       35                          40                          45

Lys Ser Glu Thr Cys Ser Gln  
       50                          55

<210> 1151

<211> 162

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1151

Val	Ser	Xaa	Gly	Thr	Gly	Asn	Ser	Arg	Val	Arg	Thr	His	Xaa	Val	Pro
1				5					10					15	

Pro	Arg	Pro	Leu	Pro	Cys	Ser	Glu	Gly	Gly	Glu	Arg	Leu	Leu	Pro	Thr
			20					25					30		

Gln	Lys	Gln	Pro	Gly	Gly	Gly	Gln	Val	Asn	Ser	Ser	Arg	Tyr	Lys	Thr
		35					40					45			

Glu	Leu	Cys	Arg	Pro	Phe	Glu	Glu	Asn	Gly	Ala	Cys	Lys	Tyr	Gly	Asp
	50					55					60				

Lys	Cys	Gln	Phe	Ala	His	Gly	Ile	His	Glu	Leu	Arg	Ser	Leu	Thr	Arg
65					70					75					80

His	Pro	Lys	Tyr	Lys	Thr	Glu	Leu	Cys	Arg	Thr	Phe	His	Thr	Ile	Gly
				85					90					95	

Phe	Cys	Pro	Tyr	Gly	Pro	Arg	Cys	His	Phe	Ile	His	Asn	Ala	Glu	Glu
			100					105					110		

Arg	Arg	Ala	Leu	Ala	Gly	Ala	Arg	Asp	Leu	Ser	Ala	Asp	Arg	Pro	Arg
		115					120					125			

Leu	Gln	His	Ser	Phe	Ser	Leu	Leu	Gly	Phe	Pro	Val	Pro	Leu	Pro	Pro
	130						135				140				

Pro	Leu	Pro	Pro	Gly	Cys	Trp	Thr	Ala	His	Val	His	Gln	Pro	Asn	Pro
145					150					155					160

Tyr Phe

&lt;210&gt; 1152

&lt;211&gt; 124

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (114)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1152

His	Glu	Gly	Ala	Ser	Arg	Cys	Gly	His	Leu	Cys	Arg	Gly	Arg	Xaa	Ala
1				5					10					15	

Ala	Ser	Tyr	Pro	Ala	Leu	Arg	Ala	Ser	Leu	Leu	Pro	Gln	Ser	Leu	Ala
			20					25					30		

Ala	Ala	Ala	Ala	Phe	Pro	Thr	Arg	Xaa	Asn	Ser	Gln	Glu	Ser	Lys	Thr
		35					40					45			

Thr	Tyr	Leu	Glu	Asp	Leu	Pro	Pro	Pro	Pro	Glu	Tyr	Glu	Leu	Ala	Pro
	50					55					60				

Ser	Lys	Leu	Glu	Glu	Glu	Val	Asp	Asp	Val	Phe	Leu	Ile	Arg	Ala	Gln
65					70					75				80	

Gly	Leu	Pro	Trp	Val	Met	Ala	Leu	Trp	Glu	Asp	Val	Ala	Leu	Thr	Phe
			85					90						95	

Phe	Phe	Gln	Thr	Cys	Arg	Ile	Arg	Gln	Arg	Leu	Ser	Asn	Gly	Asn	Tyr
		100						105					110		

Ile	Xaa	Leu	Pro	Lys	Asn	Lys	Arg	Trp	Gly	Lys	Thr
	115						120				

&lt;210&gt; 1153

&lt;211&gt; 151

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> SITE  
 <222> (105)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (140)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (147)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (149)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1153

Ala Met Val Arg Leu Val Lys Cys Asp Val Tyr Pro Cys Pro Asn Thr  
 1 5 10 15

Val Asp Cys Phe Val Ser Arg Pro Thr Glu Lys Thr Val Phe Thr Val  
 20 25 30

Phe Met Leu Ala Ala Ser Gly Ile Cys Ile Ile Leu Asn Val Ala Glu  
 35 40 45

Val Val Tyr Leu Ile Ile Arg Ala Cys Ala Arg Arg Ala Gln Arg Arg  
 50 55 60

Ser Asn Pro Pro Ser Arg Lys Gly Ser Gly Phe Gly His Arg Leu Ser  
 65 70 75 80

Pro Glu Tyr Lys Gln Asn Glu Ile Asn Lys Leu Leu Ser Glu Gln Asp  
 85 90 95

Gly Ser Leu Lys Asp Ile Leu Arg Xaa Thr Leu Ala Arg Gly Leu Gly  
 100 105 110

Trp Leu Lys Lys Thr Thr Val Leu Gly Cys Asp Ala Thr Tyr Gln Ala  
 115 120 125

Thr Ser His Pro Thr Pro Thr Leu Pro Gly Arg Xaa Pro Pro Ser Pro  
 130 135 140

Cys Arg Xaa Pro Xaa Ala His  
 145 150

<210> 1154  
<211> 113  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (103)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (111)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1154

Gly	Ser	Pro	Trp	Pro	Asn	Ser	Cys	Arg	Pro	Glu	Ala	Arg	Arg	Asp	Arg
1				5					10					15	
Leu	Gln	Pro	Leu	Gly	Gly	Val	Cys	Glu	Xaa	Ala	Ser	Glu	His	Asp	Val
			20					25					30		
Val	Asn	Leu	Gly	Xaa	Gly	Phe	Pro	Asp	Phe	Pro	Pro	Pro	Asp	Phe	Ala
		35					40					45			
Val	Glu	Ala	Phe	Gln	His	Ala	Val	Ser	Gly	Asp	Phe	Met	Leu	Asn	Gln
	50					55				60					
Tyr	Thr	Lys	Thr	Phe	Gly	Tyr	Pro	Pro	Leu	Asp	Glu	Asp	Pro	Gly	Asn
65					70					75				80	
Phe	Phe	Gly	Gly	Ala	Ala	Gly	Ser	Arg	Ile	Arg	Pro	Val	Gln	Gly	Cys
				85					90					95	
Ala	Gly	Asp	Cys	Trp	Trp	Xaa	Trp	Gly	Pro	Val	Ser	Lys	Ala	Xaa	Pro
			100					105						110	

Gly

<210> 1155  
 <211> 104  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (78)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (91)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1155  
 Gly Thr Thr Val Arg Asp Tyr Thr Gln Met Asn Glu Leu Gln Arg Arg  
   1                  5                  10                  15  
 Leu Gly Pro Arg Gly Leu Val Val Leu Gly Phe Pro Cys Asn Gln Phe  
                   20                  25                  30  
 Gly His Gln Glu Asn Ala Lys Asn Glu Glu Ile Leu Asn Ser Leu Lys  
           35                  40                  45  
 Tyr Val Arg Pro Gly Gly Gly Phe Glu Pro Asn Phe Met Leu Phe Glu  
       50                  55                  60  
 Lys Cys Glu Val Asn Gly Ala Gly Ala His Pro Leu Phe Xaa Phe Leu  
   65                  70                  75                  80  
 Arg Glu Ala Leu Pro Ala Pro Ser Asp Asp Xaa Thr Ala Leu Met Thr  
                   85                  90                  95  
 Asp Pro Lys Leu Ile Thr Trp Ser  
                   100

<210> 1156  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<400> 1156  
 Ala Phe Ile Ala Lys Ser Phe Tyr Asp Leu Ser Ala Ile Ser Leu Asp  
   1                  5                  10                  15  
 Gly Glu Lys Val Asp Phe Asn Thr Ser Arg Gly Arg Ala Val Leu Ile

20

25

30

Glu Asn Val Ala Ser Leu

35

&lt;210&gt; 1157

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1157

Asp Thr Thr Thr Arg Asp Phe Thr Gln Leu Asn Glu Leu Gln Cys Arg  
1 5 10 15

Phe Pro Arg Arg Leu Val Val Leu Gly Phe Pro Cys Asn Gln Phe Gly  
20 25 30

His Gln Ser Arg Arg Asp Arg Ser Ser Lys Pro Ser Phe Glu Met Ser  
35 40 45

Leu Gln Pro Gln Lys Tyr Leu Gln Pro His Thr Ile Ser Ser Ala  
50 55 60

&lt;210&gt; 1158

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1158

Thr Leu Lys Phe Phe Pro Ala Ser Ala Asp Arg Thr Val Ile Asp Tyr  
1 5 10 15

Asn Gly Glu Arg Thr Leu Asp Gly Phe Lys Lys Phe Leu Glu Ser Gly  
20 25 30

Gly Gln Asp Gly Ala Gly Asp Asp Asp Leu Glu Asp Leu Glu Glu  
35 40 45

Ala Xaa Glu Pro Asp Met Glu Glu Asp Asp Asp Gln Lys Ala Val Lys  
50 55 60

Asp Glu Leu



65

<210> 1159  
<211> 214  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (202)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (207)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1159  
Ala Val Ile Met Gly Ala Pro Gly Ser Gly Lys Gly Thr Val Ser Ser  
1 5 10 15  
Arg Ile Thr Thr His Phe Glu Leu Lys His Leu Ser Ser Gly Asp Leu  
20 25 30  
Leu Arg Asp Asn Met Leu Arg Gly Thr Glu Ile Gly Val Leu Ala Lys  
35 40 45  
Ala Phe Ile Asp Gln Gly Lys Leu Ile Pro Asp Asp Val Met Thr Arg  
50 55 60  
Leu Ala Leu His Glu Leu Lys Asn Leu Thr Gln Tyr Ser Trp Leu Leu  
65 70 75 80  
Asp Gly Phe Pro Arg Thr Leu Pro Gln Ala Glu Ala Leu Asp Arg Ala  
85 90 95  
Tyr Gln Ile Asp Thr Val Ile Asn Leu Asn Val Pro Phe Glu Val Ile  
100 105 110  
Lys Gln Arg Leu Thr Ala Arg Trp Ile His Pro Ala Ser Gly Arg Val  
115 120 125  
Tyr Asn Ile Glu Phe Asn Pro Pro Lys Thr Val Gly Ile Asp Asp Leu  
130 135 140  
Thr Gly Glu Pro Leu Ile Gln Arg Glu Asp Asp Lys Pro Glu Thr Val  
145 150 155 160  
Ile Lys Arg Leu Lys Ala Tyr Glu Asp Gln Thr Lys Pro Val Leu Glu

165 170 175  
Tyr Tyr Gln Lys Lys Gly Val Leu Glu Thr Phe Ser Gly Thr Glu Thr  
180 185 190  
Asn Lys Ile Trp Pro Tyr Val Tyr Ala Xaa Leu Gln Leu Lys Xaa His  
195 200 205  
Lys Glu Ala Arg Lys Leu  
210

<210> 1160  
<211> 33  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1160  
Leu Xaa Ser Xaa Lys Trp Ile Tyr Asn Gly Phe Ser Ser Val Leu Gln  
1 5 10 15  
Phe Leu Gly Leu Tyr Lys Lys Ser Gly Lys Leu Val Phe Phe Arg Leu  
20 25 30

Gly

<210> 1161  
<211> 123  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (88)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (96)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1161

Gly Asn Ser Lys Thr Glu Asp Gln Arg Asn Glu Glu Lys Ala His Val  
1 5 10 15

Xaa Ala Asn Lys Lys Ile Glu Lys Gln Leu Gln Xaa Asp Xaa Gln Val  
20 25 30

Tyr Arg Ala Thr His Arg Leu Leu Leu Leu Gly Ala Gly Glu Ser Gly  
35 40 45

Lys Ser Thr Ile Val Lys Gln Met Arg Ile Leu His Val Asn Gly Phe  
50 55 60

Asn Xaa Asp Ser Glu Lys Ala Thr Lys Val Gln Asp Ile Lys Asn Asn  
65 70 75 80

Leu Lys Glu Ala Ile Glu Thr Xaa Val Ala Ala Met Ser Asn Leu Xaa  
85 90 95

Ala Pro Arg Gly Ala Gly Gln Pro Arg Glu Thr Ser Ser Glu Trp Thr  
100 105 110

Thr Ser Trp Ser Val Met Asn Val Pro Gly Phe  
115 120

<210> 1162  
<211> 87  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (61)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (80)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1162  
Pro Thr Arg Pro Pro Thr Arg Pro Glu Leu Lys Asp Leu Gln Glu Pro  
1 5 10 15  
Gln Glu Pro Arg Val Gly Lys Leu Arg Asn Phe Ala Pro Ile Pro Gly  
20 25 30  
Glu Pro Val Val Pro Ile Leu Cys Ser Asn Pro Asn Phe Pro Glu Glu  
35 40 45  
Leu Lys Pro Leu Cys Lys Ser Pro Met Pro Arg Xaa Xaa Phe Arg Gly  
50 55 60  
Trp Arg Lys Ser Leu Xaa Asp Pro Gly His Met Trp Lys Ser Val Xaa  
65 70 75 80  
Thr Leu Ala Cys Thr Gly Cys  
85

<210> 1163  
<211> 100  
<212> PRT  
<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1163

Val Gln Gly Pro Tyr Val Leu Gly Thr Gly Leu Ile Leu Tyr Ala Leu  
1 5 10 15

Ser Lys Glu Ile Tyr Val Ile Ser Ala Glu Thr Phe Thr Ala Leu Ser  
20 25 30

Val Leu Gly Val Met Val Tyr Gly Ile Lys Lys Tyr Gly Pro Phe Val  
35 40 45

Ala Asp Phe Ala Asp Lys Leu Asn Glu Gln Lys Leu Ala Gln Leu Glu  
50 55 60

Glu Ala Xaa Xaa Ala Ser Ile Gln His Ile Gln Asn Ala Ile Asp Thr  
65 70 75 80

Glu Lys Ser Gln Gln Ala Leu Val Gln Lys Arg His Tyr Leu Phe Gly  
85 90 95

Cys Ala Lys Glu  
100

&lt;210&gt; 1164

&lt;211&gt; 186

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (171)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (180)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1164

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Val Leu Cys Gly His

1	5	10	15
Leu Ala Lys Met Pro Glu Glu Thr Gln Thr Gln Asp Gln Pro Met Glu	20	25	30
Glu Glu Glu Val Glu Thr Phe Ala Phe Gln Ala Glu Ile Ala Gln Leu	35	40	45
Met Ser Leu Ile Ile Asn Thr Phe Tyr Ser Asn Lys Glu Ile Phe Leu	50	55	60
Arg Glu Leu Ile Ser Asn Ser Ser Asp Ala Leu Asp Lys Ile Arg Tyr	65	70	75
Glu Ser Leu Thr Asp Pro Ser Lys Leu Asp Ser Gly Lys Glu Leu His	85	90	95
Ile Asn Leu Ile Pro Asn Lys Gln Asp Arg Thr Leu Thr Ile Val Asp	100	105	110
Thr Gly Ile Gly Met Thr Lys Ala Asp Leu Ile Asn Asn Leu Gly Thr	115	120	125
Ile Ala Lys Ser Gly Thr Lys Ala Phe Met Glu Ala Leu Gln Ala Gly	130	135	140
Ala Asp Ile Ser Met Ile Gly Gln Phe Gly Val Gly Phe Tyr Ser Ala	145	150	155
Tyr Leu Val Ala Glu Lys Val Thr Val Ile Xaa Lys His Asn Asp Asp	165	170	175
Glu Gln Tyr Xaa Trp Glu Ser Ser Ala Gly	180	185	

**<210> 1165**

**<211> 199**

<212> PRT

<213> Homo sapiens

**<220>**

**<221> SITE**

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

**<221> SITE**

**<222> (54)**

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (173)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (191)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (196)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (197)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1165

Ala Xaa Ile Cys Leu Leu Glu Thr Ala Pro Ser Ser Arg Glu Ser Gln

1

5

10

15

Lys Glu Asp Met Ala Ala Gly Gln Arg Glu Ala Arg Pro Gln Val Ser

20

25

30

Leu Thr Phe Glu Asp Val Ala Val Leu Phe Thr Trp Asp Glu Trp Arg

35

40

45

Lys Leu Ala Pro Ser Xaa Arg Asn Leu Tyr Arg Asp Val Met Leu Glu

50

55

60

Asn Tyr Arg Asn Leu Val Ser Leu Gly Leu Ser Phe Thr Lys Pro Lys

65

70

75

80

Val Ile Ser Leu Leu Gln Gln Gly Glu Asp Pro Trp Glu Val Glu Lys

85

90

95

Asp Ser Ser Gly Val Ser Ser Leu Gly Cys Lys Ser Thr Pro Lys Met

100

105

110

Thr Lys Ser Thr Gln Thr Gln Asp Ser Phe Gln Glu Gln Ile Arg Lys

115

120

125

Arg Leu Lys Arg Asp Glu Pro Trp Asn Phe Ile Ser Glu Arg Ser Cys

130

135

140

Ile Tyr Glu Glu Lys Leu Lys Lys Gln Gln Asp Lys Asn Glu Asn Leu

145

150

155

160

Gln Ile Ile Ser Val Ala His Thr Lys Ile Leu Thr Xaa Asp Arg Ser  
                   165                          170                          175

His Lys Asn Val Glu Phe Ala Gln Asn Phe Tyr Leu Lys Ser Xaa Phe  
                   180                          185                          190

Ile Lys His Xaa Xaa Ile Ala  
                   195

<210> 1166

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1166

Trp Cys Cys Ser His Leu Trp Phe Gln Gly Arg Ala Thr Pro Glu Asn  
   1                  5                          10                          15

Tyr Leu Phe Gln Gly Arg Gln Glu Cys Tyr Ala Phe Asn Gly Asn Ser  
                   20                          25                          30

Gln Lys Asp Ile Leu Glu Glu Lys Ala Gly Ser Ala Gly Thr Gly Cys  
                   35                          40                          45

Ala Asp Thr Thr Tyr Gly Ala Gly Arg Ala His Gly Pro Cys Ser Ala  
                   50                          55                          60

Glu Phe Gln Pro Arg Val Glu Cys Phe Pro Pro Pro Ser Arg Gly Pro  
   65                          70                          75                          80

Leu Ala Ala Thr Gln Xaa Ala Cys Leu Ala Lys  
                   85                          90

<210> 1167

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (82)



<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1167

Asn	Val	Pro	Ala	Tyr	Lys	Ser	Ser	Gly	Gln	Ile	Met	Ser	Ser	Leu	Tyr
1				5					10					15	

Tyr	Ala	Asn	Ala	Leu	Phe	Ser	Lys	Tyr	Pro	Ala	Ser	Ser	Ser	Val	Phe
		20						25					30		

Ala	Thr	Gly	Ala	Phe	Pro	Glu	Gln	Thr	Ser	Cys	Ala	Phe	Ala	Ser	Asn
		35					40					45			

Pro	Gln	Arg	Pro	Gly	Tyr	Gly	Ala	Gly	Ser	Gly	Ala	Ser	Phe	Ala	Ala
	50					55					60				

Ser	Met	Gln	Gly	Leu	Tyr	Pro	Gly	Gly	Gly	Gly	Met	Ala	Gly	Gln	Ser
65				70					75					80	

Ala	Xaa	Gly	Val	Tyr	Ala	Ala	Gly	Tyr	Gly	Leu	Glu	Pro	Xaa	Ser	Phe
			85					90						95	

Asn	Met	His	Cys	Ala	Pro	Phe	Glu	Gln	Lys	Pro	Leu	Arg	Gly	Xaa	Pro
			100					105						110	

Xaa	Xaa	Ile	Pro	Xaa	Arg
					115

<210> 1168  
 <211> 77  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1168  
 Ser Arg Ser Trp Gly Phe Gly Cys Ser Met Leu Ala Leu Glu Thr Arg  
   1                  5                  10                  15  
 Ala Xaa Pro Gly His Xaa Xaa Gly Cys Val Thr Phe Val Leu Asn Asp  
                   20                  25                  30  
 His Ser Met Ala Phe Thr Gly Asp Ala Leu Leu Ile Arg Gly Cys Xaa  
           35                  40                  45  
 Arg Thr Asp Phe Gln Gln Gly Cys Cys Gln Asp Leu Val Thr Ile Arg  
   50                  55                  60  
 Ser Met Lys Arg Ser Phe Lys Ile Ser Arg Arg Leu Ser  
   65                  70                  75

<210> 1169  
 <211> 115  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 1169

Gly Pro Arg His Ala Asp Phe Pro Cys Ser Ala Val Val Arg Lys Cys  
1 5 10 15

Leu Ala Ala Pro Gly Arg Arg Arg Gly Arg Gln Thr Tyr Ser Arg Phe  
20 25 30

Gln Thr Leu Glu Leu Glu Lys Glu Phe Leu Phe Asn Pro Tyr Leu Thr  
35 40 45

Arg Lys Arg Arg Ile Glu Val Ser His Ala Leu Ala Leu Thr Glu Arg  
50 55 60

Gln Val Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys Glu  
65 70 75 80

Asn Asn Lys Asp Lys Phe Pro Val Ser Arg Gln Glu Val Lys Asp Gly  
85 90 95

Glu Thr Lys Lys Glu Ala Gln Glu Leu Glu Glu Asp Arg Ala Glu Gly  
100 105 110

Leu Thr Asn  
115

&lt;210&gt; 1170

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1170

Tyr Leu Lys Arg Leu Ala Thr Met Ser Lys Pro Glu Leu Lys Glu Asp  
1 5 10 15

Lys Met Leu Glu Val His Phe Val Gly Asp Asp Asp Val Leu Asn His  
20 25 30

Ile Leu Asp Arg Glu Gly Gly Ala Lys Leu Lys Lys Glu Arg Ala His  
35 40 45

Phe Trp Ser Thr Pro Lys Lys  
50 55

&lt;210&gt; 1171

&lt;211&gt; 130

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1171

Pro Thr Arg Pro Xaa Thr Xaa Pro Phe Gly Pro Arg Trp His Gly Met  
1 5 10 15

Arg Lys Ala Leu Pro Trp Xaa Leu Val Xaa Leu Ala Ser Leu Arg Ala  
20 25 30

Val Xaa Thr Ser Xaa Met Xaa Thr Leu Pro Lys Arg Xaa Lys Ile Val  
35 40 45

Glu Val Gly Pro Arg Asp Gly Leu Gln Asn Glu Lys Asn Ile Val Ser  
50 55 60

Thr Pro Val Lys Ile Lys Leu Ile Asp Met Leu Ser Glu Ala Gly Leu  
65 70 75 80

Ser Val Ile Glu Thr Thr Xaa Phe Glu Ser Pro Lys Trp Val Pro Gln  
85 90 95

Met Gly Asp His Thr Glu Val Leu Lys Gly Ile Xaa Lys Phe Pro Gly  
100 105 110

Ile Asn Tyr Pro Val Leu Thr Pro Asn Leu Lys Gly Phe Glu Ala Xaa  
115 120 125

Xaa Pro  
130

<210> 1172

<211> 106

<212> PRT

<213> Homo sapiens

<220>

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<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1172  
Ala Arg Glu Asp Leu Asp Lys Ala Leu Leu Lys Ala Xaa Gln Asp Met  
1 5 10 15  
Phe Asp Lys Lys Thr Lys Ala Ser Leu Tyr Leu Xaa Thr His Asn Gly  
20 25 30  
Asn Met Tyr Thr Ser Ser Leu Tyr Gly Cys Leu Ala Ser Xaa Leu Ser  
35 40 45  
His His Xaa Ala Gln Glu Leu Ala Gly Ser Arg Ile Gly Ala Phe Ser  
50 55 60  
Tyr Gly Ser Gly Leu Ala Ala Ser Phe Phe Ser Phe Arg Val Ser Arg  
65 70 75 80  
Leu Lys Val Phe Cys Arg Ser Met Glu Ser Phe Trp Glu Thr Tyr Ala  
85 90 95  
Ser Arg Ala Ser Xaa Arg Xaa Ser Tyr Phe  
100 105

<210> 1173  
<211> 28  
<212> PRT

<213> Homo sapiens

<400> 1173

Pro Cys Lys Gly Ser Ile Ile Thr Cys Ser Leu Asn Arg Asp Leu Tyr  
1 5 10 15

Glu Trp Leu His Glu Gly Ser Ala Val Ser Tyr Phe  
20 25

<210> 1174

<211> 23

<212> PRT

<213> Homo sapiens

<400> 1174

Ile Ile Thr Cys Ser Leu Ile Arg Asp Leu Tyr Glu Trp Leu His Glu  
1 5 10 15

Gly Ser Ala Val Ser Tyr Phe  
20

<210> 1175

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1175

Ala Ala Ser Ser Ile Cys Leu Xaa Gln Arg Leu Ser His Ala Cys Leu  
1 5 10 15

Ser Thr His Gly Arg Tyr Ser Glu Thr Ala Asn Gly Ser Leu Asn Gln  
20 25 30

Leu Trp Phe Leu Trp Ser Leu Ala Pro Leu Leu Leu Gly  
35 40 45

<210> 1176

<211> 86

<212> PRT

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (66)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1176

Arg	Pro	Glu	Asp	Ser	Leu	Phe	Cys	Pro	Lys	Met	Glu	Asn	Ser	Thr	Thr
1				5					10					15	

Thr	Ile	Ser	Arg	Glu	Glu	Leu	Xaa	Glu	Leu	Gln	Glu	Ala	Phe	Asn	Lys
			20					25						30	

Ile	Asp	Xaa	Xaa	Asn	Ser	Gly	Tyr	Val	Ser	Asp	Tyr	Xaa	Leu	Gln	Asp
		35					40						45		

Leu	Phe	Lys	Glu	Ala	Ser	Leu	Pro	Leu	Pro	Gly	Tyr	Lys	Val	Arg	Glu
	50					55					60				

Ile	Xaa	Glu	Lys	Ile	Leu	Ser	Val	Ala	Asp	Ser	Asn	Lys	Asp	Gly	Lys
65					70					75					80

Ile	Asn	Phe	Glu	Glu	Phe
					85

&lt;210&gt; 1177

&lt;211&gt; 166

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens



&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (157)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (158)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (163)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1177

Ile Thr Ile Ser Phe Phe Leu Cys Leu Arg Pro Pro Thr Phe Phe Ser  
1 5 10 15

Phe Pro Phe Ser Leu Trp Gly Pro Ser Pro Met Leu Pro Cys Pro Ile  
20 25 30

Pro Phe Ser Pro Ser Arg Leu Leu Ile Pro Pro Phe Pro Ser Phe Pro  
35 40 45

Ser Asn Tyr Gln Leu Trp Leu Gly Arg His Asn Leu Phe Asp Asp Glu  
50 55 60

Asn Thr Ala Gln Phe Val His Val Ser Glu Ser Phe Pro His Pro Gly  
65 70 75 80

Phe Asn Met Ser Leu Leu Glu Asn His Thr Arg Gln Ala Asp Glu Asp  
85 90 95

Tyr Ser His Asp Leu Met Leu Leu Arg Leu Thr Glu Pro Ala Asp Thr  
100 105 110

Ile Thr Asp Ala Val Lys Val Gly Lys Leu Pro Thr Gln Glu Pro Glu  
115 120 125

Val Gly Glu His Leu Val Gly Phe Arg Leu Gly Gln Ala Leu Asn Gln  
130 135 140

Lys Asn Phe Leu Ile Ser Glu Asp Leu Gln Met Val Xaa Xaa Leu Gln  
145 150 155 160

Lys Ser Xaa Leu Lys Glu  
165

<210> 1178

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1178

Cys Xaa Ala Ala Gly Pro Ser Cys Ala Leu Lys Ala Gly Lys Thr Ala  
1 5 10 15

Ser Gly Ala Gly Glu Val Val Arg Cys Leu Ser Glu Gln Ser Val Gly  
20 25 30

His Leu Ala Leu Arg Arg Gly Pro Gly Ala Arg Leu Pro Ala Leu Leu  
35 40 45

Asp Glu Gln Gln Val Asn Val Leu Leu Tyr Asp Met Asn Gly Cys Tyr  
50 55 60

Ser Arg Leu Lys Glu Leu Val Pro Thr Leu Pro Gln Asn Arg Lys  
65 70 75

<210> 1179

<211> 51

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids.

<220>

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<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1179

Ala	Xaa	Val	Gln	Leu	Thr	Leu	Xaa	Xaa	Thr	Gln	Cys	Pro	Xaa	Gly	Lys
1				5					10					15	

Ser	Val	Xaa	Cys	His	Val	Lys	Ala	Leu	His	Asp	Ser	Xaa	Pro	Gly	Cys
			20					25					30		

Asn	Cys	Ala	Pro	Ala	Gln	Phe	Pro	Xaa	Leu	Pro	His	Ala	Ala	Xaa	Pro
	35						40					45			

Asp	Xaa	Gly
		50

<210> 1180

<211> 96

<212> PRT

<213> Homo sapiens

<220>

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<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180

Ile Ser Arg Thr Pro Glu Gly His Val Arg Gly Gly Gly Arg Glu Ala  
1 5 10 15

Arg Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu  
20 25 30

Val His Asn Ala Lys Thr Lys Pro Arg Xaa Glu Gln Phe Asn Ser Thr  
35 40 45

Tyr Xaa Trp Phe Ser Val Leu His Arg Pro Ala Pro Gly Trp Leu Glu  
50 55 60

Arg Gln Gly Ser Tyr Lys Trp Gln Gly Phe Xaa Thr Lys Gly Phe Pro  
65 70 75 80

Xaa Phe Leu Gly Glu Asn Leu Phe Xaa Lys Ala Lys Gly Gln Xaa Arg  
85 90 95

<210> 1181

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1181

Gly Gly Tyr Cys Ser Gly Gly Ser Cys Ser Asn Phe Tyr Phe Tyr His  
1 5 10 15

Met Asp Val Trp Gly Glu Arg Thr Thr Val Thr Val Ser Ser Ala Ser  
20 25 30

Thr Xaa Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Xaa Asn Thr  
35 40 45

Ser Glu Asn Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro  
50 55 60

Glu Thr Gly Asp Gly Val Leu Glu Leu Arg Gly Leu  
65 70 75

<210> 1182

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1182

Asp	Pro	Tyr	Gly	Thr	Met	Glu	Ala	Pro	Ala	Gln	Leu	Leu	Xaa	Leu	Leu
1				5					10					15	

Leu	Leu	Trp	Leu	Pro	Xaa	Thr	Thr	Gly	Glu	Ile	Leu	Met	Thr	Gln	Ser
		20						25					30		

Pro	Ala	Thr	Leu	Ser	Val	Ser	Pro	Gly	Glu	Arg	Val	Thr	Leu	Ser	Cys
	35						40					45			

Arg	Ala	Gly	Gln	Ser	Val	Tyr	Ser	Asn	Leu	Ala	Trp	Tyr	Gln	Gln	Lys
50						55					60				

Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Met	Tyr	Gly	Ser	Ser	Thr	Xaa	Ala
65					70					75				80	

Thr	Asp	Val	Pro	Val	Arg	Phe	Ser	Gly	Xaa	Gly	Ser	Gly	Thr	Glu	Phe
			85						90					95	

Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Ser	Asp	Asp	Ser	Ala	Val	Tyr	Xaa
			100					105						110	

Cys	Gln	Gln	Tyr	Ile	Met	Trp	Pro	Gly	Thr	Phe	Gly	Xaa	Gly	Thr	Lys
		115					120					125			

Gly Glu Ile Xaa Arg Thr Gly Xaa Ala  
130 135

<210> 1183

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1183

Val Arg Xaa Xaa Xaa Phe Gly Ser Thr Ala Pro Ser Ala Asp Ala Trp  
1 5 10 15

Val Arg Thr Arg Gly Arg Thr Arg Gly Ala Glu Ala Ala Lys Met Leu  
20 25 30

Gly Glu Ala Leu Ser Lys Asn Pro Gly Tyr Ile Lys Leu Arg Lys Ile  
35 40 45

Arg Ala Ala Gln Asn Ile Ser Lys Thr Ile Ala Thr Ser Gln Asn Arg  
50 55 60

Ile Tyr Leu Thr Ala Asp Asn Leu Val Leu Asn Leu Gln Asp Glu Ser  
65 70 75 80

Phe Thr Arg Gly Ser Asp Ser Leu Ile Lys Gly Lys Lys  
85 90

<210> 1184

<211> 46

<212> PRT

<213> Homo sapiens

<220>  
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<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1184  
Ile Asp Leu Met Cys Lys Lys Met Lys His Leu Trp Phe Phe Leu Leu  
1 5 10 15  
Leu Val Ala Val Ser Xaa Met Arg Pro Val Pro Gly Ala Ala Ala Xaa  
20 25 30  
Val Xaa Ala Arg Thr Gly Glu Xaa Phe Gly Asp Pro Val Xaa  
35 40 45

<210> 1185  
<211> 142  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (69)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (119)



<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1185

Ser	Ala	Leu	Asn	Thr	Glu	Leu	Thr	Met	Glu	Phe	Gly	Leu	Ser	Trp	Val
1				5					10					15	

Phe	Leu	Val	Val	Ile	Leu	Lys	Gly	Val	Gln	Cys	Glu	Val	Gln	Leu	Val
		20					25						30		

Glu	Ser	Gly	Gly	Ala	Val	Val	Gln	Pro	Gly	Gly	Ser	Leu	Arg	Leu	Ser
		35					40					45			

Cys	Glu	Ala	Ser	Gly	Phe	Thr	Phe	Asp	Asn	Tyr	Ala	Met	His	Trp	Val
	50					55					60				

Arg	Gln	Ala	Pro	Xaa	Lys	Gly	Leu	Glu	Trp	Val	Cys	Leu	Ile	Ser	Arg
65					70				75						80

Asp	Gly	Arg	Lys	Thr	Tyr	Phe	Ala	Asp	Ser	Met	Lys	Gly	Arg	Phe	Thr
			85						90					95	

Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Cys	Leu	Tyr	Leu	Gln	Val	Asn	Ser
			100					105					110		

Leu	Arg	Val	Glu	Asp	Thr	Xaa	Leu	Tyr	Tyr	Cys	Ala	Lys	Asp	Ile	Pro
		115					120					125			

Gly	Ser	Ser	Val	Trp	Thr	Ser	Gly	Val	Xaa	Gly	His	Xaa	Xaa
130							135				140		

<210> 1186

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1186

Ser Trp Thr Pro Arg Pro Phe His Leu Val Ile Ser Thr Glu His Arg  
1 5 10 15

Gly Leu Thr Met Glu Leu Gly Leu Ser Trp Val Phe Leu Val Ala Ile  
20 25 30

Leu Glu Gly Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly  
35 40 45

Leu Val Gln Ala Gly Gly Val Pro Glu Thr Leu Leu Xaa Xaa Leu Trp  
50 55 60

Leu Pro Pro Leu  
65

<210> 1187

<211> 191

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (191)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1187

Gly	Arg	Glu	Ile	Xaa	Arg	Ser	Phe	His	Leu	Val	Ile	Ser	Thr	Glu	His
1				5					10					15	

Arg	Pro	Pro	Thr	Met	Glu	Phe	Gly	Pro	Ser	Trp	Val	Phe	Leu	Val	Ala
			20					25					30		

Ile	Leu	Lys	Gly	Val	His	Cys	Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly
		35					40					45			

Gly	Leu	Val	Gln	Pro	Gly	Arg	Ser	Leu	Arg	Leu	Ser	Cys	Thr	Thr	Ser
	50					55					60				

Gly	Phe	Thr	Phe	Gly	Asp	Tyr	Ser	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro
65					70					75					80

Gly	Lys	Gly	Leu	Glu	Trp	Val	Gly	Phe	Ile	Arg	Ser	Lys	Ala	His	Gly
			85						90					95	

Gly	Thr	Thr	Glu	Tyr	Ala	Ala	Ser	Val	Lys	Arg	Gln	Ile	His	His	Leu
			100						105				110		

Lys	Glu	Met	Ile	Pro	Gln	Ala	Ser	Xaa	Ile	Trp	Gln	Met	Asn	Ser	Leu
		115						120				125			

Lys	Pro	Arg	Thr	Gln	Thr	Leu	Leu	Leu	Ser	Arg	His	Asp	Tyr	Arg	His
						130				135				140	

Thr Pro Gly Tyr Trp Gly Gln Gly Thr Leu Val Thr Xaa Phe Ser Gly  
145 150 155 160

Phe His Gln Gly Pro Ser Ser Ser Pro Trp Xaa Pro Cys Ser Arg Xaa  
165 170 175

Thr Ser Glu Xaa Gln Xaa Pro Gly Leu Ala Gly Gln Gly Leu Xaa  
180 185 190

<210> 1188

<211> 121

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<400> 1188

Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Xaa Leu Val Gln  
1 5 10 15  
Pro Gly Gly Ser Leu Xaa Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe  
20 25 30  
Ser Ser Xaa Asp Met His Trp Val Arg Gln Val Ala Gly Lys Xaa Leu  
35 40 45  
Glu Trp Val Ser Xaa Ile Asp Pro Ala Gly Asn Thr Asn Tyr Pro Xaa  
50 55 60  
Ser Val Xaa Gly Arg Phe Ile Ile Ser Arg Glu Asn Asp Lys Ser Ser  
65 70 75 80  
Ser Tyr Leu Gln Asn Glu Trp Ala Asp Xaa Arg Gly Lys Xaa Cys Val  
85 90 95  
Ile Leu Xaa Lys Xaa Lys Leu Xaa Phe Leu Val Xaa Gly Xaa Xaa Arg  
100 105 110  
Ser Leu Gly Ala Xaa Gly Xaa Leu Gly  
115 120

<210> 1189

<211> 125

<212> PRT

<213> Homo sapiens

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<222> (104)

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&lt;222&gt; (123)

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&lt;400&gt; 1189

Gly Thr Ser Asn Ala Gly Asn Xaa Asn Thr Lys Tyr Ser Gln Lys Xaa  
1 5 10 15

Gln Asp Arg Val Thr Ile Thr Arg Asp Thr Ser Thr Asn Thr Ala Tyr  
20 25 30

Met Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
35 40 45

Xaa Arg Gly Phe Phe Gly Asp Arg Asp Tyr Tyr Tyr Tyr Tyr Tyr Met  
50 55 60

Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Ala Ser Pro  
65 70 75 80

Thr Ser Pro Lys Val Phe Pro Leu Ser Leu Cys Ser Thr Gln Pro Asp  
85 90 95

Gly Asn Val Val Ile Ala Cys Xaa Val Gln Gly Phe Phe Pro Gln Glu  
100 105 110

Pro Leu Gln Cys Gly Pro Gly Ala Lys Gly Xaa Arg Ala  
115 120 125

&lt;210&gt; 1190

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1190

Asn Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp  
1 5 10 15

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Leu Pro Ala Glu  
20 25 30

&lt;210&gt; 1191

&lt;211&gt; 102

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

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<400> 1191

Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala  
 1 5 10 15

Met Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Trp Asp Ser Ser Ala Val  
 20 25 30

Val Phe Gly Gly Gly Thr Arg Leu Thr Xaa Leu Xaa Gln Pro Lys Ala  
 35 40 45

Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Xaa Glu Leu Gln Ala  
 50 55 60

Asn Lys Ala Thr Leu Val Cys Leu Ile Asn Asp Phe Tyr Pro Gly Ser  
 65 70 75 80



Arg Asp Ser Gly Leu Glu Xaa Gln Ile Xaa Thr Pro Phe Xaa Ala Glu  
                     85                    90                    95

Leu Gly Xaa Thr Thr Thr  
                     100

<210> 1192

<211> 160

<212> PRT

<213> Homo sapiens

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<400> 1192

Arg Pro Thr Arg Pro Gln Leu Trp Ala Gln Glu Ala Ala Leu Arg Thr  
   1                    5                    10                    15

Ile Ser Ser Met Ala Trp Ser Pro Leu Leu Leu Thr Leu Leu Ala His  
                     20                    25                    30

Cys Thr Gly Ser Trp Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Val  
                     35                    40                    45

Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser  
                     50                    55                    60

Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro  
   65                    70                    75                    80

Gly Thr Ala Pro Lys Val Leu Ile Tyr Gly Asn Ser Asn Arg Pro Ser  
                     85                    90                    95

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser  
100 105 110

Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Xaa Val Asp Tyr Tyr Cys  
115 120 125

Gln Ser Tyr Asp Ser Ser Leu Gly Gly Ser Val Phe Gly Gly Arg Thr  
130 135 140

Lys Leu Xaa Val Leu Xaa Gln Pro Lys Xaa Ala Pro Ser Val Thr Leu  
145 150 155 160

<210> 1193

<211> 153

<212> PRT

<213> Homo sapiens

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<400> 1193

Thr	Gly	Phe	Arg	Thr	Ile	Xaa	Thr	Met	Ala	Gly	Phe	Pro	Leu	Leu	Leu
1				5					10				15		

Thr	Leu	Leu	Thr	His	Cys	Ala	Xaa	Ser	Trp	Ala	Xaa	Xaa	Val	Leu	Thr
			20					25					30		

Xaa	Pro	Pro	Ser	Xaa	Ser	Gly	Thr	Pro	Gly	Gln	Arg	Val	Thr	Ile	Ser
	35						40					45			

Cys	Ser	Gly	Ser	Ser	Ser	Asn	Ile	Gly	Thr	Asn	Tyr	Val	Tyr	Trp	Tyr
	50					55					60				

Gln	Gln	Leu	Pro	Gly	Thr	Ala	Pro	Glu	Val	Leu	Ile	Tyr	Lys	Asn	Asp
65					70					75					80

Gln	Arg	Pro	Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	Ser	Lys	Ser	Gly
				85					90					95	

Thr	Ser	Ala	Ser	Leu	Ala	Ile	Gly	Gly	Leu	Arg	Ser	Glu	Asp	Glu	Ala
		100						105					110		

Asp	Tyr	Tyr	Cys	Ala	Ser	Trp	Asp	Asp	Ser	Leu	Ser	Gly	Pro	Val	Phe
	115						120					125			

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys Ala Ala Pro  
 130 135 140

Ser Xaa Thr Leu Xaa Pro Xaa Xaa Xaa  
 145 150

<210> 1194  
 <211> 114  
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 <213> Homo sapiens

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<400> 1194  
 Gly Gly Arg Ala Leu Gly Ile Ser Pro Trp Pro Gly Pro Leu Ser Cys  
 1 5 10 15

Ser Pro Ser Ser Leu Ser Ala Gln Arg Lys Arg Gly Gln Ala Pro Val  
 20 25 30

Val Val Ile Tyr Glu Asp Asn Lys Arg Pro Ser Gly Ile Pro Glu Arg  
 35 40 45

Phe Ser Gly Ser Thr Ser Gly Thr Leu Ala Thr Val Ile Ile Ser Gly  
 50 55 60

Ala Gln Val Asp Asp Asp Thr Asp Phe Tyr Cys Gln Ser Thr His Ser  
 65 70 75 80

Ser Asn Asn Gly Arg Ser Val Cys Leu Arg Asn Trp Asp Gln Gly His  
 85 90 95

Arg Pro Trp Ser Ala Gln Gly Gln Pro Gln Cys Xaa Ser Val Pro Gly  
 100 105 110

Leu Leu

<210> 1195  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

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<400> 1195  
 Gln Asn Ser Xaa Cys Leu Thr Met Ala Trp Ile Pro Leu Leu Leu Pro  
     1                    5                    10                    15  
 Leu Leu Thr Leu Cys Thr Asp Ser Glu Ala Ser His Glu Leu Arg Gln  
                     20                    25                    30  
 Pro Xaa Ser Val Ser Val Ser Pro Xaa Gln Thr Ala Xaa Ile Thr Xaa  
                     35                    40                    45  
 Ser Gly Asp Ala Leu Pro Glu Gln Ser Ile Phe Trp Tyr Gln Gln Lys  
     50                    55                    60  
 Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Lys Val His Glu Arg Pro  
     65                    70                    75                    80  
 Ser Asp Ala Leu Asn Asp Ser Leu Ala Pro Gly His Arg Gln Gln Ser  
                     85                    90                    95

Arg

<210> 1196  
 <211> 192

<212> PRT  
<213> Homo sapiens

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&lt;221&gt; SITE

&lt;222&gt; (165)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (177)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (178)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (187)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1196

Ile	Xaa	Leu	Thr	Lys	Gly	Asn	Lys	Arg	Trp	Ser	Ser	Thr	Xaa	Val	Ala
1				5					10					15	

Ala	Ala	Leu	Glu	Xaa	Leu	Asp	Pro	Pro	Gly	Cys	Pro	Gly	Ser	Ala	Xaa
		20					25						30		

Xaa	Asp	Asn	Xaa	Gly	Xaa	Val	Gly	Ser	Gly	Pro	Pro	Asn	Pro	Asp	Leu
	35						40						45		

Ser	Xaa	Thr	Xaa	Leu	Asp	Gln	Tyr	Xaa	Ala	Met	Xaa	Xaa	Xaa	Xaa	His
	50					55					60				

Gly	Xaa	Asn	Met	Glu	Xaa	Ala	Leu	Gly	Met	Leu	Phe	Trp	His	Xaa	Xaa
65					70					75					80

Asn	Ile	Gln	Xaa	Ser	Xaa	Ala	Asp	Leu	Pro	Asn	Xaa	Thr	Pro	Phe	Pro
			85						90					95	

Asp	Lys	Trp	Thr	Val	Glu	Asp	Lys	Xaa	Leu	Phe	Xaa	Gln	Ala	Phe	Thr
		100						105						110	

Phe	His	Gly	Lys	Thr	Phe	His	Thr	Ile	Gln	Pro	Met	Xaa	Pro	His	Lys
		115					120					125			

Ser	Ile	Xaa	Xaa	Leu	Val	Lys	Xaa	Tyr	Tyr	Ser	Trp	Lys	Lys	Asp	Glu
	130						135				140				

Asp	Xaa	Asn	Tyr	Cys	Asp	Gly	Ser	Pro	Cys	Pro	Gly	Asn	Xaa	Thr	Gly
145						150				155					160

Arg Glu Glu Xaa Xaa Asp Glu Leu Glu Gln Ala Asn Gly Thr Ile Pro  
165 170 175

Xaa Xaa Leu Lys Leu Asp Pro Asn Gln Glu Xaa Gln Arg Glu Val Pro  
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<210> 1197

<211> 43

<212> PRT

<213> Homo sapiens

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<400> 1197

Glu Gln Asn Leu Asp Arg Gln Val Leu Xaa Thr Gln Cys Ile Arg Leu  
1 5 10 15

Glu Ala Arg Tyr Tyr Ser Leu Ser Leu Thr Xaa Xaa Xaa Leu Ser His

20

25

30

Ile Val Ala Glu Leu Arg Asn Xaa Lys Xaa Lys  
35 40

&lt;210&gt; 1198

&lt;211&gt; 98

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (88)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1198

Val Ser Pro Ala Ser Thr Asn Cys Gln Ser Gln Glu Asn Phe Glu Ala  
1 5 10 15

Phe Met Lys Ala Ile Gly Leu Pro Glu Glu Leu Ile Gln Lys Gly Lys  
20 25 30

Asp Ile Lys Gly Val Ser Glu Ile Val Gln Asn Gly Lys His Phe Lys  
35 40 45

Phe Thr Ile Thr Ala Gly Ser Lys Val Ile Gln Asn Glu Phe Thr Val  
50 55 60

Gly Glu Glu Cys Glu Leu Glu Thr Met Thr Gly Glu Lys Val Lys Thr  
65 70 75 80

Val Val Gln Leu Glu Gly Asp Xaa Lys Leu Val Thr Thr Phe Lys Asn  
85 90 95

Ile Lys

&lt;210&gt; 1199

&lt;211&gt; 184

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

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<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1199

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Arg Phe Xaa Gly  
20 25 30

Ser Lys Xaa Thr Xaa Xaa Cys Xaa Xaa Arg Xaa Xaa Xaa Xaa Ile Gly  
35 40 45

Ser Pro Lys Xaa Asn Xaa Leu Ala Val Val Leu Gln Arg Arg Asp Trp  
50 55 60

Xaa Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Xaa Xaa Pro Xaa  
65 70 75 80

Phe Ala Xaa Trp Arg Asn Xaa Xaa Lys Ala Arg Thr Asp Arg Xaa Ser  
85 90 95

Xaa Gln Leu Xaa Ser Leu Asn Gly Lys Trp Asp Xaa Pro Cys Ser Gly  
100 105 110

Ala Leu Ser Xaa Ala Gly Val Gly Val Thr Xaa Ser Val Thr Val Thr  
115 120 125

Xaa Ala Xaa Ala Xaa Ala Pro Xaa Pro Phe Xaa Phe Phe Pro Ser Phe  
130 135 140

Phe Ala Thr Phe Ala Gly Phe Pro Arg Lys Ala Leu Asn Gly Gly Leu  
145 150 155 160

Pro Xaa Gly Phe Arg Phe Arg Ala Leu Arg Asp Leu Asp Pro Lys Lys  
165 170 175

Leu Xaa Leu Gly Gly Trp Phe Thr  
180

<210> 1200

<211> 83

<212> PRT

<213> Homo sapiens

&lt;400&gt; 1200

Gly Pro Glu Met Gln Val Lys Leu Leu Gln Ser Leu Gly Leu Lys Ser  
 1 5 10 15

Thr Leu Ile Thr Asp Gly Ser Thr Pro Ile Asn Leu Phe Asn Thr Ala  
 20 25 30

Phe Gly Leu Leu Gly Met Gly Pro Glu Gly Pro Ala Pro Gly Gln Lys  
 35 40 45

Gly Trp His Trp Ala Gln Pro Trp Lys Gly Asp Ile Pro Pro Val Leu  
 50 55 60

Leu Lys Pro Leu Lys Leu Leu Glu Asn Thr Thr Leu Cys Leu Phe Cys  
 65 70 75 80

Ala Tyr Ser

&lt;210&gt; 1201

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (74)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1201

Leu Leu Phe Leu Gly Pro Val Gly Leu Ile Met Tyr Leu Gly Gly Val  
 1 5 10 15

Phe Phe Ile Asn Arg Gln Arg Ser Ser Thr Ala Met Thr Val Met Ala  
 20 25 30

Asp Leu Gly Glu Arg Met Val Arg Glu Asn Leu Lys Val Trp Ile Tyr  
 35 40 45

Pro Glu Gly Thr Arg Asn Asp Asn Gly Asp Leu Leu Pro Phe Lys Lys  
 50 55 60

Gly Ala Phe Tyr Leu Ala Val Gln Ala Xaa Val  
 65 70 75

&lt;210&gt; 1202

&lt;211&gt; 179



<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (108)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (125)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (131)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (132)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (138)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (144)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (145)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (147)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (161)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (166)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1202

Lys Gln Arg Ser Glu Asp Ser Met Tyr Thr Ala Ile Pro Gln Ser Gly  
1 5 10 15

Ser Pro Phe Pro Gly Ser Val Gln Asp Pro Gly Leu His Val Trp Arg  
20 25 30

Val Glu Lys Leu Lys Pro Val Pro Val Ala Gln Xaa Asn Gln Gly Ile  
35 40 45

Phe Phe Ser Gly Asp Ser Tyr Leu Val Leu His Asn Gly Pro Glu Glu  
50 55 60

Val Ser His Leu His Leu Asn Thr Leu Leu Gly Glu Arg Pro Val Gln  
65 70 75 80

His Arg Glu Val Arg Gly Asn Glu Ser Asp Leu Phe Met Ser Tyr Phe  
85 90 95

Pro Arg Gly Phe Lys Tyr Gln Glu Gly Gly Leu Xaa Ser Ala Phe His  
100 105 110

Lys Thr Ser Thr Gly Ala Pro Val Ala Ile Lys Lys Xaa Tyr Gln Val  
115 120 125

Lys Gly Xaa Xaa Lys Ser Val Gln Arg Xaa Gly Met Asn Trp Glu Xaa  
 130 135 140

Xaa Asn Xaa Gly Cys Leu Pro Gly Xaa Gly Lys Asn Xaa Xaa Gly Leu  
 145 150 155 160

Xaa Asn Gln Ile Trp Xaa Lys Arg Gly Asp Cys Leu Asp Arg Asp Xaa  
 165 170 175

Gln Gly Ser

<210> 1203

<211> 145

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1203

Leu Phe Leu Asp Ser Val Gly Gly Gly Ala Trp Pro Phe Leu Val Gly  
 1 5 10 15

Gly Ala Ile Cys Leu Val Asn Ser Asp Asn Glu Arg Asp Ser Gly Met  
 20 25 30

Leu Thr Ser Tyr Ala Thr Pro Glu Arg Ser Ala Ser Pro Asn Phe Leu  
 35 40 45

Glu Gly Gln Val Ala Phe Ser His Pro Arg Leu Ser Asn Asn Arg Ser  
 50 55 60

Val Met Pro Leu Asp Val Arg Gly Cys Thr Arg Ala Thr Leu Thr Gly  
 65 70 75 80

Ser Ala Cys Ala Tyr Pro Thr Pro Ala Gly Ala Gly Asn Pro Leu Asn  
 85 90 95

Pro Ile Arg Asp Gly Asp Arg Gly Leu Gln Leu Phe Pro Met Asn Glu  
 100 105 110

Glu Phe Pro Val Ser Ala Gly His Lys Leu Ala Leu Ile Lys Ser Leu  
115 120 125

Pro Leu Gln Pro Phe Trp Xaa Phe Gly Pro Leu Xaa Leu Phe His Leu  
130 135 140

Ser  
145

<210> 1204

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1204

Pro	Arg	Pro	Ala	Gly	Asn	Ser	Ser	Arg	Val	His	Xaa	Glu	Gly	Thr	Thr
1				5					10					15	

Val	Leu	Xaa	Xaa	Gln	Phe	Gly	Leu	Asn	Ala	Ser	Xaa	Ser	Arg	Phe	Phe
			20					25					30		

Leu	Gln	Xaa	Xaa	Gln	Leu	Ile	Thr	Ile	Leu	Pro	Val	Arg	Gln	Arg	Xaa
		35					40						45		

Leu	Pro	Leu	Lys	Xaa	Ala	Asn	Xaa	Xaa	Leu	Thr	Xaa	Pro	Ala	Ala	Thr
	50					55					60				

Val	Arg	Gln	Phe	Leu	Gln	Val	Pro
65					70		

&lt;210&gt; 1205

&lt;211&gt; 159

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1205

Thr	Pro	Leu	Gly	Val	Pro	Val	Ile	Gln	Pro	Tyr	Arg	Leu	Asp	Ser	Lys
1				5					10					15	

Val	Lys	Gln	Ile	Gly	Gly	Gly	Ile	Gln	Ser	Ile	Thr	Tyr	Thr	His	Asn
		20						25					30		

Gly Asp Ile Ser Arg Lys Pro Asn Thr Arg Lys Gln Lys Asn Gly Phe  
35 40 45

Pro Pro Asn Phe Ile His Ser Leu Asp Ser Ser His Met Met Leu Thr  
50 55 60

Ala Leu His Cys Tyr Arg Lys Gly Leu Thr Phe Val Ser Val His Asp  
65 70 75 80

Cys Tyr Trp Thr His Ala Ala Asp Val Ser Val Met Asn Gln Val Cys  
85 90 95

Arg Glu Gln Phe Val Arg Leu His Ser Glu Pro Ile Leu Gln Asp Leu  
100 105 110

Ser Arg Phe Leu Val Lys Arg Phe Cys Ser Glu Pro Gln Lys Ile Leu  
115 120 125

Glu Ala Ser Gln Leu Lys Glu Thr Leu Gln Ala Val Pro Lys Pro Gly  
130 135 140

Ala Phe Asp Leu Glu Gln Val Lys Arg Ser Thr Tyr Phe Phe Ser  
145 150 155

<210> 1206

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (89)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (97)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (105)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1206

Gln Met Tyr Gly Thr Asn Lys Met Xaa Pro Tyr Arg Asp Ser Lys Leu  
1 5 10 15

Thr His Leu Phe Lys Asn Tyr Phe Asp Gly Glu Gly Lys Val Arg Met  
20 25 30

Ile Val Tyr Val Asn Pro Lys Ala Xaa Asp Tyr Xaa Glu Asn Xaa Gln  
35 40 45

Val Met Arg Phe Ala Glu Val Thr Gln Glu Val Glu Val Ala Arg Pro  
50 55 60

Val Asp Lys Val Ile Cys Gly Leu Thr Pro Xaa Arg Arg Tyr Arg Asn  
65 70 75 80

Gln Xaa Arg Gly Pro Val Gly Asn Xaa Pro Leu Gly Thr Asp Val Val  
85 90 95

Xaa Gln Ser Phe Pro Pro Leu Pro Xaa Met Arg Asn Phe  
100 105

&lt;210&gt; 1207

&lt;211&gt; 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1207

Asn Xaa Lys Leu Ser Glu Gln Glu Leu Gln Phe Arg Arg Leu Ser Gln  
1 5 10 15

Glu Gln Val Asp Asn Phe Thr Leu Asp Ile Asn Thr Ala Tyr Ala Arg  
20 25 30

Leu Arg Gly Ile Glu Gln Ala Val Gln Ser His Ala Val Ala Glu Glu  
35 40 45

Glu Ala Arg Lys Ala His Gln Leu Trp Leu Ser Val Glu Ala Leu Lys  
50 55 60

Tyr Ser Met Xaa Asp Leu His Leu Ala Glu Thr Pro Thr Ile Pro Leu  
65 70 75 80

Gly Ser Gly Ser

<210> 1208

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE



<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1208

Pro	Cys	Ser	Thr	Val	Pro	Val	Thr	Thr	Glu	Val	Ser	Tyr	Ala	Gly	Cys
1				5					10					15	

Thr	Lys	Thr	Val	Leu	Met	Asn	His	Cys	Ser	Gly	Ser	Cys	Gly	Thr	Phe
			20					25						30	

Val	Met	Tyr	Ser	Xaa	Gln	Ala	Gln	Ala	Leu	Asp	His	Ser	Xaa	Leu	Leu
			35				40						45		

Leu	Gln	Arg	Xaa	Xaa	Asn	Gln	Pro	Ala
	50					55		

<210> 1209

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1209

Ala Xaa Asp Gln Ala Gly Glu Val Asp His Thr Leu Leu Gly Gln Cys  
1 5 10 15

Thr Gly Gly Gly Tyr Phe Met Gln Phe Xaa Thr Ser Ser Gly Ser Ala  
20 25 30

Glu Glu Ala Ala Leu Leu Glu Ser Arg Ile Leu Tyr Pro Lys Arg Lys  
35 40 45

Gln Gln Cys Leu Gln Phe Phe Tyr Lys Met Xaa Gly Glu Val Leu Xaa  
50 55 60

Asp Arg Leu Arg Cys Leu Gly Xaa Gly Gly Asp Asp Ser Thr Gly Asn  
65 70 75 80

Val Arg Asn Trp

<210> 1210

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1210

Leu Leu Asn Asp Ala Val Thr Val Val Leu Tyr His Leu Phe Glu Glu  
1 5 10 15

Phe Ala Asn Tyr Glu His Val Gly Ile Val Asp Ile Phe Leu Gly Phe  
                   20                  25                  30  
 Leu Ser Phe Phe Val Val Ala Leu Gly Gly Val Leu Val Gly Val Val  
           35                  40                  45  
 Tyr Gly Val Ile Ala Ala Phe Thr Ser Arg Phe Thr Ser His Ile Arg  
       50                  55                  60  
 Val Ile Glu Pro Leu Phe Val Phe Leu Tyr Ser Tyr Met Ala Tyr Leu  
       65                  70                  75                  80  
 Ser Ala Glu Leu Phe His Leu Ser Gly Ile Met Ala Leu Ile Ala Ser  
                   85                  90                  95  
 Gly Val Val Met Arg Pro Tyr Val Gly Xaa Gln His Phe His Lys Phe  
           100                  105                  110  
 Pro Gln Gln His Gln Ile Ile Ser Trp Lys Met Xaa Glu Gln Arg Xaa  
       115                  120                  125

Xaa

<210> 1211  
 <211> 43  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1211  
 Leu His Ala Phe Cys Xaa Ile Asn Asn Ile Lys Pro Ser Trp Thr Arg  
       1                  5                  10                  15  
 Xaa Asn Thr Leu Met Phe Ile His Leu Ser Pro Ile Leu Leu Leu Ser  
           20                  25                  30  
 Leu Asn Pro Asp Ile Ile Thr Gly Phe Ser Ser  
       35                  40

<210> 1212

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1212

Gln	Gly	Phe	Lys	Val	Glu	Arg	Met	His	Ile	Thr	Asp	Met	Lys	Leu	Ala
1				5					10					15	

Xaa	Leu	Pro	Xaa	Leu	Glu	Ala	Leu	Gly	Val	Xaa	Val	Asn
				20				25				

<210> 1213

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1213

Ala	Lys	Val	His	Pro	Asn	Ser	Val	His	Ile	Cys	Ala	Val	Val	Val	Glu
1				5					10						15

Tyr	Glu	Thr	Lys	Ala	Gly	Arg	Ile	Asn	Lys	Gly	Val	Xaa	Thr	Asn	Trp
			20					25						30	

Leu	Arg	Ala	Lys	Glu	Pro	Ala	Gly	Glu	Asn	Gly	Gly	Arg	Ala	Leu	Val
		35					40						45		

Pro	Met	Phe	Val	Arg	Lys	Ser	Gln	Phe	Arg	Leu	Pro	Phe	Lys	Ala	Thr
	50					55					60				

Thr	Pro	Val	Ile	Met	Xaa	Gly	Pro	Gly	Thr	Gly	Val	Xaa	Pro	Phe	Ile
65					70				75						80

Gly	Xaa	Ile	Gln	Glu	Arg	Ala	Trp	Leu	Arg	Gln	Xaa	Gly	Lys	Glu	Val
			85					90						95	

Gly	Glu	Thr	Leu	Leu	Asn	Tyr	Gly	Cys	Arg	Arg	Ser	Asp	Glu	Asp	Tyr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

100	105	110
Leu Xaa Arg Xaa Glu Leu Ala Gln Phe His Arg Asp Gly Ala Leu Thr		
115	120	125
Gln Leu Asn Val Ala Phe Xaa Arg Xaa		
130	135	

<210> 1214

<211> 207

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE  
<222> (136)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (145)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (150)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (158)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (165)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (168)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (170)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (180)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (187)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (196)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1214

Ala Ser Xaa His His Ser Ala Cys Phe Leu Gly Pro Glu Ile Met Pro  
1 5 10 15

Leu Gly Leu Leu Trp Leu Gly Leu Xaa Leu Leu Gly Ala Leu His Ala  
20 25 30

Gln Ala Gln Asp Ser Thr Ser Asp Leu Ile Pro Ala Pro Pro Leu Ser  
35 40 45

Lys Val Pro Leu Gln Xaa Asn Phe His Asp Asn Gln Phe His Gly Lys  
50 55 60

Trp Tyr Val Val Arg Leu Ala Arg Asn Ala Ile Leu Arg Xaa His Lys  
65 70 75 80

Asp Pro Gln Xaa Met Tyr Ala Thr Ile Tyr Glu Leu Lys Glu Thr Arg  
85 90 95

Xaa Thr Met Ser Leu Arg Leu Phe Lys Lys Lys Lys Cys Asp Tyr Leu  
100 105 110

Asp Gln Glu Phe Trp Ser Lys Val Ala Xaa Arg Arg Ile Pro Pro Trp  
115 120 125

Gly Pro Leu Lys Leu Pro Trp Xaa Asn Gln Phe Pro Pro Ser Asn Cys  
130 135 140

Xaa His Gln Leu Gln Xaa Pro Ser Phe Gly Phe Leu Pro Xaa Asn Phe  
145 150 155 160

Ser Lys Gln Gly Xaa Leu Pro Xaa Pro Xaa Phe Arg Lys Asn Lys Glu  
165 170 175

Leu Ile Pro Xaa Leu Lys Glu Lys Phe Ser Xaa Leu Pro Phe Leu Gly  
180 185 190

Pro Pro Lys Xaa Lys Phe Val Phe Pro Phe Pro Thr Asn Ile Xaa  
195 200 205

<210> 1215

<211> 69

<212> PRT

<213> Homo sapiens

<220>



<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (43)  
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<220>  
<221> SITE  
<222> (59)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (69)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1215  
Gly Ser His Thr Ala Arg Arg Leu Gly Arg Leu Arg Gly Ser Xaa Ala  
1 5 10 15

Arg Leu Xaa Gly Pro Arg Arg Ala Xaa Gly Gly Lys Met Ala Xaa Gly  
20 25 30

Gly Gly Asp Leu Ser Thr Arg Xaa Leu Asn Xaa Cys Ile Ser Pro Val  
           35                          40                          45

Ala Asn Glu Met Asn His Leu Pro Ala His Xaa His Asp Leu Gln Arg  
       50                          55                          60

Xaa Phe Thr Glu Xaa  
       65

<210> 1216

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1216

Leu Asn Pro Leu Gly Ile Lys Tyr Ile Val Ala Arg Pro Val Tyr Ser  
   1                  5                          10                          15

Thr Asn Ala Phe Glu Glu Asn His Lys Lys Thr Gly Arg His His Lys  
           20                          25                          30

Thr Phe Leu Asp His Leu Lys Val Cys Xaa Asn Cys Ser Pro Gln Lys  
       35                          40                          45

Ala Arg Glu Leu Xaa Ser Leu Xaa Phe Pro  
       50                          55

<210> 1217

<211> 144

<212> PRT

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (126)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1217

Ala Gly Leu Gln Met Gly Arg Ser Arg Ser Arg Ser Pro Arg Arg Glu  
 1 5 10 15

Arg Arg Arg Ser Arg Ser Thr Ser Arg Glu Arg Glu Arg Arg Arg Arg  
 20 25 30

Glu Arg Ser Arg Ser Arg Glu Arg Asp Arg Arg Arg Ser Arg Ser Arg  
 35 40 45

Ser Pro His Arg Arg Arg Ser Arg Ser Pro Arg Arg His Arg Ser Thr  
 50 55 60

Ser Pro Ser Pro Ser Arg Leu Lys Glu Arg Arg Asp Glu Glu Lys Lys  
 65 70 75 80

Glu Thr Lys Glu Thr Lys Ser Lys Glu Arg Gln Ile Thr Glu Glu Asp  
 85 90 95

Leu Glu Gly Lys Thr Glu Glu Glu Ile Glu Met Met Lys Leu Met Gly  
 100 105 110

Phe Ala Ser Phe Asp Ser Thr Lys Gly Lys Lys Val Asp Xaa Ser Val  
 115 120 125

Asn Ala Tyr Ala Ile Asn Val Ser Gln Lys Arg Lys Tyr Arg Tyr Ala  
 130 135 140

&lt;210&gt; 1218

&lt;211&gt; 70

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1218

Gln Xaa Leu Cys Gln Ala Gly Asp Asp Ser Asn Ser Asn Lys Lys Asn  
 1 5 10 15

Ala Asp Leu Gln Val Leu Lys Pro Glu Pro Glu Leu Val Tyr Glu Asp  
20 25 30

Leu Arg Gly Ser Val Thr Phe His Cys Ala Leu Gly Pro Glu Val Ala  
35 40 45

Asn Val Ala Lys Ile Leu Ser Gly Arg Glu Trp Gly Lys Asp Ala Val  
50 55 60

Ser Ser Leu Gln Ile Cys  
65 70

<210> 1219

<211> 104

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1219

Ser Thr His Ala Ser Ala Xaa Xaa Ser Leu Val Leu Arg Ile Ala Thr  
1 5 10 15

Asp Asp Ser Lys Ala Val Cys Arg Leu Ser Val Lys Phe Gly Ala Thr  
20 25 30

Leu Lys Ile Ser Arg Leu Leu Leu Glu Arg Ala Arg Glu Leu Asn Ile  
35 40 45

Asp Ile Ile Gly Val Ser Phe His Val Gly Ser Gly Cys Thr Asp Pro  
50 55 60

Gly Asp Leu Arg Ala Ser His Leu Arg Cys Pro Leu Cys Leu Arg His  
65 70 75 80

Gly Glu Leu Arg Leu Val Ser Thr Cys Ile Cys Leu Ile Ser Val Val  
85 90 95

Gly Phe Pro Gly Ile Xaa Arg Met  
100

<210> 1220  
<211> 89  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1220

Gly Thr Arg Xaa Cys Pro Xaa Arg Val Arg Val Ala Met Gly Xaa Ile  
1 5 10 15

Glu Trp Ala Xaa Trp Ala Asn Glu Gln Ala Leu Ala Ser Gly Leu Ile  
20 25 30

Leu Ile Thr Gly Gly Ile Val Ala Thr Ala Gly Arg Xaa Thr Xaa Trp  
35 40 45

Tyr Phe Gly Ala Xaa Ser Ile Val Ala Gly Val Phe Val Cys Leu Leu  
50 55 60

Glu Tyr Pro Arg Xaa Lys Arg Lys Lys Gly Ser Thr Met Val Arg Trp  
65 70 75 80

Gly Gln Lys Tyr Met Thr Xaa Xaa Val  
85

<210> 1221

<211> 141

<212> PRT

<213> Homo sapiens

<400> 1221

Asp Thr Phe Ile Arg His Ile Ala Leu Leu Gly Phe Glu Lys Arg Phe  
1 5 10 15

Val Pro Ser Gln His Tyr Val His Val Pro Gly Glu Met Ala Gly Pro  
20 25 30

Val Gly Glu Gly Gly Leu Pro Ala Leu His Arg Asp Leu Arg Val Pro  
35 40 45

Ser Pro Lys Trp Phe Asp Gly Gln Arg Ala Ala Glu Asn His Gln Gly  
50 55 60

Thr Leu Thr Glu Tyr Cys Gly Thr Leu Met Ser Leu Pro Thr Lys Ile  
65 70 75 80

Ser Arg Cys Pro His Leu Leu Asp Phe Phe Lys Val Arg Pro Asp Asp  
85 90 95

Leu Lys Leu Pro Thr Asp Asn Gln Thr Lys Lys Pro Glu Thr Tyr Leu  
100 105 110

Met Pro Lys Asp Gly Lys Ser Thr Ala Thr Asp Ile Thr Gly Pro Ile  
115 120 125

Ile Leu Gln Thr Tyr Arg Ala Ile Ala Asn Tyr Glu Lys  
130 135 140

<210> 1222

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1222

Arg Cys Pro Val Thr Val Cys Gly Xaa Val His Gly Gln Phe His Asp  
1 5 10 15

Leu Met Glu Leu Phe Arg Ile Xaa Gly Lys Ser Pro Asp  
20 25

<210> 1223

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (40)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1223  
 Leu Xaa Xaa Gln Ile Xaa Tyr Xaa Thr Xaa Pro Thr Ser Leu Pro Arg  
   1                  5                  10                  15

Thr Ser Xaa Cys Leu His Ala Xaa Thr Ser Trp Lys Gln Ser Leu Leu  
           20                  25                  30



Gly Cys Leu Asn Xaa Lys Leu Xaa Xaa Ala Thr  
35 40

<210> 1224  
<211> 94  
<212> PRT  
<213> Homo sapiens

<400> 1224  
Ala Asp Ala Trp Gly Lys Thr Phe Ala Arg Tyr Leu Ser Phe Arg Arg  
1 5 10 15  
Asp Asn Asn Glu Leu Leu Leu Phe Ile Leu Lys Gln Leu Val Ala Glu  
20 25 30  
Gln Val Thr Tyr Gln Arg Asn Arg Phe Gly Ala Gln Gln Asp Thr Ile  
35 40 45  
Glu Val Pro Glu Lys Asp Leu Val Asp Lys Ala Arg Gln Ile Asn Ile  
50 55 60  
His Asn Leu Ser Ala Phe Tyr Asp Ser Glu Leu Phe Arg Met Asn Lys  
65 70 75 80  
Phe Ser His Asp Leu Lys Arg Lys Met Ile Leu Gln Gln Phe  
85 90

<210> 1225  
<211> 71  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1225  
Gly Arg Pro Thr Arg Pro Pro Thr Leu Xaa Leu Ala Trp Thr Ser Gly  
1 5 10 15  
Thr Asn Cys Thr Arg Phe Gly Ile Ala Ala Lys Tyr Gln Leu Asp Pro  
20 25 30  
Thr Ala Ser Ile Ser Ala Lys Val Asn Asn Ser Ser Leu Ile Gly Val  
35 40 45

Gly Tyr Thr Gln Thr Leu Arg Pro Gly Val Lys Leu Thr Leu Ser Gly  
 . 50 55 60

Ser Gly Arg Trp Glu Glu His  
65 70

**<210> 1226**

**<211> 154**

<212> PRT

<213> Homo sapiens

**<220>**

**<221> SITE**

**<222> (105)**

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

**<221> SITE**

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

**<221> SITE**

**<222> (135)**

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

**<221> SITE**

**<222> (142)**

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

**<221> SITE**

**<222> (145)**

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

**<221> SITE**

**<222> (151)**

<223> Xaa equals any of the naturally occurring L-amino acids

**<400> 1226**

Gly Lys Met Val Leu Gln Thr Gln Val Phe Ile Ser Leu Leu Leu Trp  
1 5 10 15

Ile Ser Gly Ala Tyr Gly Asp Ile Val Met Thr Gln Ser Pro Asp Ser  
20 25 30



Leu Leu Gln Arg Met Met Met Ala Gly Ser Val Arg Asn Gly Lys Pro  
85 90 95

Arg Arg Thr Val Ile  
100

<210> 1228

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1228

Leu	Ile	Ser	Gly	Lys	Asp	Cys	Ala	Val	Ile	Val	Thr	Gln	Lys	Lys	Val
1				5					10				15		
Pro	Asp	Lys	Leu	Leu	Xaa	Ser	Ser	Thr	Val	Thr	His	Leu	Phe	Lys	Xaa
			20					25					30		
Xaa	Gly	Asn	Ile	Gly	Cys	Xaa	Lys	Thr	Gly	Met	Ser	Ala	Xaa	Ser	Arg
		35					40					45			
Ser	Gln	Val	Gln	Arg	Ala	Arg	Tyr	Xaa	Ala	Ala	Asn	Leu	Glu	Tyr	Lys
	50					55					60				
Tyr	Gly	Tyr	Glu	Xaa	Pro	Val	Xaa	Met	Pro	Val					
65					70				75						

<210> 1229

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1229

Asn	Thr	Leu	Ile	Leu	Xaa	Pro	Ser	Lys	Asn	His	Leu	Lys	Ala	Ala	Gly
1				5				10				15			
His	Leu	Tyr	Ile	Val	Met	Glu	Tyr	Cys	Asp	Gly	Arg	Asp	Leu	Met	Gln
			20					25				30			
Lys	Ile	Lys	Gln	Gln	Lys	Arg	Lys	Ser	Tyr	Phe	Leu	Lys	Thr		
		35				40					45				

<210> 1230

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1230

Lys	Thr	Ile	Arg	Cys	Val	Cys	Thr	Trp	Arg	Leu	His	Leu	Leu	Ala	Ser
1				5					10					15	

Thr	Tyr	Ala	Cys	Ser	Gln	Asn	Thr	Asn	Lys	Thr	Cys	Glu	Glu	Cys	Leu
		20					25						30		

Lys	Asn	Val	Ser	Cys	Leu	Trp	Cys	Asn	Thr	Asn	Lys	Leu	Val	Leu	Asp
		35					40					45			

Tyr	Gln	Xaa	Gln	Ser	Leu	Ala	Thr	Gly	Phe	Pro	Leu	Leu	Ile	Asn	Xaa
	50					55					60				

Leu	His	Leu	Gly	Asn	Phe	Val	Gly	Xaa	Asn	Leu	Glu	Ala	Leu	Asn	His
65				70					75					80	

His	Met	Phe	Gly	Ser	Pro	Gly	Asn	Pro	Pro	Pro	Gly	Ala	Leu	Ala	Ser
				85				90						95	

Ala Ala Cys Leu Leu Ala Ala Arg Arg Lys Lys Glu Pro Glu Thr Arg  
                   100                  105                  110

Thr Gly Ile Lys Glu Lys Arg Xaa Cys Val Xaa Pro Glu Arg Lys Ser  
                   115                  120                  125

Xaa Ile Pro Ala Gly Xaa Thr Glu  
                   130                  135

<210> 1231

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1231

Leu Pro Xaa Gly Ala Gly Gly Met Ser Lys Gly Leu Pro Ala Arg Gln  
       1                  5                  10                  15

Asp Met Glu Lys Glu Arg Glu Thr Leu Gln Ala Trp Lys Glu Arg Val  
                   20                  25                  30

Gly Gln Glu Leu Asp Arg Val Val Ala Phe Trp Met Glu His Ser His  
                   35                  40                  45

Asp Gln Glu His Gly Gly Phe Phe Thr Cys Leu Gly Arg Glu Gly Arg  
                   50                  55                  60

Val Tyr Asp Asp Leu Lys Tyr Val Trp Leu Gln Gly Arg Gln Val Trp  
       65                  70                  75                  80

Met Tyr Cys Xaa Pro Val Pro His Phe Arg Ala Leu Xaa Pro Cys Ser  
85 90 95

Ala Ser Gly Arg Ser Xaa Ser Arg Trp  
100 105

<210> 1232

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1232

Asn Ser Ala Arg Ala Glu Val Thr Asp Glu Tyr Lys Asn Xaa Val Lys  
1 5 10 15

Asn Arg Ser Val Tyr Ile Lys Gly Phe Pro Thr Asp Ala Thr Leu Asp  
20 25 30

Asp Ile Lys Glu Trp Leu Glu Asp Lys Gly Gln Val Leu Asn Ile Gln  
35 40 45

Met Arg Arg Thr Leu His Lys Ala Phe Lys Gly Ser Ile Phe Val Val  
50 55 60

Phe Asp Ser Ile Glu Ser Ala Lys Lys Phe Val Glu Ala Pro Gly Gln  
65 70 75 80

Lys Tyr Lys Glu Pro Asp Leu Leu Ile Leu Phe Lys Ala Gly Xaa Phe  
85 90 95

Ala Lys Lys

<210> 1233

<211> 80

<212> PRT



<213> Homo sapiens

<400> 1233

Pro Phe Gly Thr Gly Pro Glu Phe Pro Gly Leu Pro Ser Ser Ser Phe  
1 5 10 15  
Leu Arg His Arg Gly Val Phe Leu Thr Pro Leu Leu Ala Met Ser Ser  
20 25 30  
His Lys Thr Phe Arg Ile Lys Arg Phe Leu Ala Lys Lys Gln Lys Gln  
35 40 45  
Asn Arg Pro Ile Pro Gln Trp Ile Arg Met Lys Thr Gly Asn Lys Ile  
50 55 60  
Arg Tyr Asn Ser Lys Arg Arg His Trp Arg Arg Thr Lys Leu Gly Leu  
65 70 75 80

<210> 1234

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1234

Val Thr Leu Xaa Lys Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg  
1 5 10 15  
Val Asp Pro Arg Val Arg Arg Pro Thr Arg Pro Pro Thr Arg Pro Pro  
20 25 30  
Thr Arg Pro Pro Thr Arg Pro Leu Cys Arg Lys Met Gly Val Pro Tyr  
35 40 45  
Cys Ile Ile Lys Gly Lys Ala Arg Leu Gly Arg Leu Val His Arg Lys  
50 55 60  
Thr Cys Thr Thr Val Ala Phe Thr Gln Val Asn Ser Glu Arg Gln Arg  
65 70 75 80  
Arg Phe Gly

&lt;210&gt; 1235

&lt;211&gt; 161

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1235

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Ala Ala Leu Glu Leu  
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Ala Ala Thr Met  
20 25 30

Val Arg Met Asn Val Leu Ala Asp Ala Leu Lys Ser Ile Asn Asn Ala  
35 40 45

Glu Lys Arg Gly Lys Arg Gln Val Leu Ile Arg Pro Cys Ser Lys Val  
50 55 60

Ile Val Arg Phe Leu Thr Val Met Met Lys His Gly Tyr Ile Gly Glu  
65 70 75 80

Phe Glu Ile Ile Asp Asp His Arg Ala Gly Lys Ile Val Val Asn Leu  
85 90 95

Thr Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asp Val  
100 105 110

Gln Leu Lys Asp Leu Glu Lys Trp Gln Asn Asn Leu Leu Pro Ser Arg  
115 120 125

Gln Phe Gly Phe Ile Val Leu Thr Thr Ser Ala Gly Ile Met Asp His  
130 135 140

Glu Glu Ala Arg Arg Lys His Thr Gly Gly Lys Ile Leu Gly Phe Phe  
145 150 155 160

Phe

&lt;210&gt; 1236

&lt;211&gt; 152

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1236

Leu Xaa Arg Ala Leu Phe Lys Arg Asn Pro Ala Asn Arg Leu Gly Ser  
1 5 10 15

Gly Pro Asp Gly Ala Glu Glu Ile Lys Arg His Val Phe Tyr Ser Thr  
20 25 30

Ile Asp Trp Asn Lys Leu Tyr Arg Arg Glu Xaa Thr Pro Pro Phe Lys  
35 40 45

Pro Ala Val Ala Gln Pro Asp Asp Thr Phe Tyr Phe Asp Thr Glu Phe  
50 55 60

Thr Ser Arg Thr Pro Lys Asp Ser Pro Gly Ile Pro Pro Ser Ala Gly  
65 70 75 80

Ala His Gln Leu Phe Arg Gly Phe Ser Phe Val Ala Thr Gly Leu Met  
85 90 95

Glu Asp Asp Gly Lys Pro Arg Ala Pro Xaa Ala Pro Leu His Ser Val  
100 105 110

Val Gln Gln Leu His Gly Lys Asn Leu Val Phe Ser Asp Gly Tyr Val  
115 120 125

Val Lys Glu Thr Ile Gly Val Gly Ser Xaa Ser Glu Cys Lys Arg Cys  
130 135 140

Val His Lys Gly Pro Xaa Xaa Xaa  
145 150

<210> 1237

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1237

Arg Asp Thr Ser His Xaa Val Ala Gly Ala Leu Arg Pro Xaa Val Gln  
1 5 10 15

Ala Thr Val Xaa Ala Thr Xaa Xaa Gln Pro Val Leu Asp Leu Lys Arg  
20 25 30

Pro Phe Leu Ser Arg Glu Ser Leu Ser Gly Xaa Ala Cys Asp Arg Leu  
35 40 45

Val Val Asp Ser Xaa Gly Ala Gln Xaa Pro Cys Phe Phe Leu Leu Ile  
50 55 60

Pro Thr Gln Thr Ser Arg Xaa Leu Ile  
65 70

<210> 1238

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1238

Met Gly Phe Ser Leu Ile Pro Ser Ser Phe Ser His Leu Ala Asp Asn  
1 5 10 15

Thr Thr Ser Leu Thr Asp Lys His Leu Asp Pro Ile Arg Glu Asn Leu  
20 25 30

Gly Lys His Trp Glu Lys Leu Cys Pro  
35 40

<210> 1239

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1239

His	Asp	Ser	Cys	Lys	Lys	Xaa	Thr	Lys	His	Tyr	Glu	Met	Leu	Ala	Asn
1				5				10						15	

Arg	Xaa	Ala	Ala	Asn	Gly	His	Cys	Ile	Asp	Ile	Tyr	Xaa	Cys	Ala	Pro
		20					25						30		

Asp	Gln	Thr	Gly	Leu	Leu	Xaa	Leu	Xaa	Cys
	35						40		

<210> 1240

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1240

Leu Glu Ser Leu Gln Glu Asn His Phe Gln Glu Asp Xaa Gln Phe Leu  
1 5 10 15

Gly Ala Val Met Pro Arg Leu Gly Ile Gly Met Asp Thr Cys Val Ile  
20 25 30

Pro Leu Lys His Gly Gly Leu Ser Leu Val Gln Thr Thr Asp Tyr Ile  
35 40 45

Tyr Pro Ile Val Asp Asp Pro Tyr Met Met Thr Pro Ala Val Ala Glu  
50 55 60

Xaa Arg Pro Val Pro Cys Pro His Leu Ala Leu Gly Ile Lys Gln Leu  
65 70 75 80

Gly Arg Lys Gln Glu Ser Pro Leu Leu Leu Leu Gln Leu Asn Thr Cys  
85 90 95

Trp Xaa Asp Asn Met Cys Gln Cys Pro Gln  
100 105

<210> 1241

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1241

Ser Arg Pro Val Gly Ser Gly Cys Asp Asn Pro Ser Asn Val Glu Lys  
1 5 10 15

Pro Gly Ala Cys Leu Ala Leu Cys Leu Leu Pro Ser Gly Gly Thr Glu  
20 25 30

Ser Gln Asp Gln Ser Ser Leu Cys Lys Gln Pro Pro Ala Gly His Lys  
35 40 45

Arg Ser Arg Ser Met Leu Asn Ser Asn Gly Ser Val Thr Val Val Val  
50 55 60

Phe Phe Lys Pro Ala Asp Thr Cys His Thr Ala Gly Ile  
65 70 75

<210> 1242

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1242

Arg Leu Ala Ile Thr Gly Leu Thr Met Glu Arg Lys Val Leu Ala Leu  
1 5 10 15

Gln Ala Arg Lys Lys Arg Thr Lys Ala Lys Lys Asp Lys Ala Gln Arg  
20 25 30

Lys Ser Glu Thr Gln His Arg Gly Ser Ala Pro His Ser Glu Ser Asp  
35 40 45

Leu Pro Glu Gln Glu Glu Glu Ile Leu Gly Ser Asp Asp Asp Glu Gln  
50 55 60

Glu Asp Pro Asn Asp Tyr Cys Lys Gly Gly Tyr His Leu Val Lys Ile  
65 70 75 80

Gly Asp Leu Phe Asn Gly Arg Tyr His Val Ile Arg Lys Leu Gly Trp  
85 90 95

Gly His Phe Ser Thr Val Xaa Val Ile Met Gly Tyr Ser Ser  
100 105 110

<210> 1243

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE



<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1243

Xaa Thr Ile Xaa Glu Glu Xaa Val Pro Leu Xaa Val Pro Val Arg Asn  
1 5 10 15

Ser Arg Val Asp Pro Arg Val Arg Tyr Asp Asn Leu Ile Thr Pro Ala  
20 25 30

Met Xaa Gly Ala Gly Xaa Leu Gln Gly Asn Val Asp Ser Cys Gln Gly  
35 40 45

Asp Xaa Gly Gly Pro Leu Val Thr Ser Lys Asn Asn Ile Trp Xaa Leu  
50 55 60

Ile Gly Asp Thr Ser Trp Gly Ser Gly Xaa Ala Lys Ala Tyr Arg Pro  
65 70 75 80

Gly Val Tyr Gly Asn Xaa Met Xaa Phe Thr Asp Trp Xaa Xaa Arg Gln  
85 90 95

Met Arg Ala Asp Gly  
100

<210> 1244

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1244

Gly Val Tyr Thr Met Ser Lys Ala His Pro Pro Glu Leu Lys Lys Phe  
1 5 10 15

Met Asp Lys Lys Leu Ser Leu Lys Leu Asn Gly Gly Arg His Val Gln  
20 25 30

Gly Ile Leu Arg Gly Phe Asp Pro Phe Met Asn Leu Val Ile Asp Glu  
35 40 45

Cys Val Glu Met Ala Thr Ser Gly Gln Gln Asn Asn Ile Gly Met Val  
50 55 60

Val Ile Arg Gly Asn Ser Ile Ile Met Leu Glu Ala Leu Glu Arg Val  
65 70 75 80

&lt;210&gt; 1245

&lt;211&gt; 129

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (128)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1245

Phe Ile Met Asp Asn Leu Ser Ser Glu Glu Ile Gln Gln Arg Ala His  
 1 5 10 15

Gln Ile Thr Asp Glu Ser Leu Glu Ser Thr Arg Arg Ile Leu Gly Leu  
 20 25 30

Ala Ile Glu Ser Gln Asp Ala Gly Ile Lys Thr Ile Thr Met Leu Asp  
 35 40 45

Glu Gln Lys Glu Gln Leu Asn Arg Ile Glu Glu Gly Leu Asp Gln Ile  
 50 55 60

Asn Lys Asp Met Arg Glu Thr Glu Lys Thr Leu Thr Glu Leu Asn Lys  
 65 70 75 80

Cys Cys Gly Leu Cys Val Cys Pro Cys Asn Arg Thr Lys Asn Phe Glu  
 85 90 95

Ser Gly Lys Ala Tyr Lys Thr Thr Trp Gly Asp Gly Gly Glu Asn Ser  
 100 105 110

Pro Cys Asn Val Val Ser Lys Gln Pro Gly Pro Val Thr Asn Gly Xaa  
 115 120 125

Leu

&lt;210&gt; 1246

&lt;211&gt; 136

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (134)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1246

Ser Thr Glu Gly Tyr Gly Cys Glu Lys Thr Thr Glu Gly Tyr Gly Cys  
1 5 10 15

Glu Lys Thr Thr Glu Gly Gly Ser Met Ala Tyr Pro Gly His Pro Gly  
20 25 30

Ala Gly Gly Gly Tyr Tyr Pro Gly Gly Tyr Gly Gly Ala Pro Gly Gly  
35 40 45

Pro Ala Phe Pro Gly Gln Thr Gln Asp Pro Leu Tyr Gly Tyr Phe Ala  
50 55 60

Ala Val Ala Gly Gln Asp Gly Gln Ile Asp Ala Asp Glu Leu Gln Arg  
65 70 75 80

Cys Leu Thr Gln Ser Gly Ile Ala Gly Gly Tyr Lys Pro Phe Asn Leu  
85 90 95

Glu Thr Cys Arg Leu Met Val Ser Met Leu Asp Arg Asp Met Ser Gly  
100 105 110

Thr Met Gly Phe Asn Glu Phe Lys Glu Leu Trp Ala Val Leu Asn Gly  
115 120 125

Trp Arg Gln His Phe Xaa Asn Phe  
130 135

&lt;210&gt; 1247

&lt;211&gt; 87

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

<221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (50)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (61)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (62)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (78)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (83)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1247  
 His Ser Gly Gly Pro Xaa Arg Pro Ala Val Ala Asp Val Gly Leu Gly  
     1                    5                    10                    15  
 Gly Arg Ala Arg Arg Arg Xaa Pro Thr Gly Ala Ser Thr Trp Gly Thr  
                     20                    25                    30  
 Ser Xaa Arg Arg Ala Arg Glu Gly Thr Trp Xaa Asp Leu Phe Tyr Lys  
                     35                    40                    45  
 Tyr Xaa Arg Ile Arg Glu Ile Glu Leu Lys Asn Arg Xaa Xaa Ser Ser  
                     50                    55                    60  
 Cys Arg Pro Ser Cys Ala Ser Arg Asn Pro Arg Asp Ala Xaa Asp Ala  
     65                    70                    75                    80

Ile Tyr Xaa Lys Lys Trp Leu

85

<210> 1248  
<211> 112  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (68)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (95)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (100)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (103)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (106)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1248

Xaa	Ser	Xaa	Phe	Gly	Xaa	Pro	Ala	Arg	Arg	Ser	Gly	Pro	Glu	Leu	Pro
1				5					10					15	

Gly	Arg	Pro	Thr	Arg	Pro	Ala	Thr	Ile	Leu	Lys	Gln	Met	Gln	Val	Leu
			20					25						30	

His	Pro	Ala	Ala	Arg	Met	Leu	Xaa	Glu	Leu	Xaa	Lys	Ala	Gln	Asp	Ile
		35					40						45		

Glu	Ala	Gly	Asp	Gly	Thr	Thr	Ser	Xaa	Xaa	Ile	Ile	Ala	Gly	Ser	Leu
	50					55					60				

Leu	Asp	Ser	Xaa	Thr	Lys	Leu	Leu	Gln	Lys	Gly	Ile	His	Pro	Thr	Ile
65					70					75					80

Ile	Ser	Glu	Xaa	Phe	Gln	Lys	Ala	Leu	Glu	Lys	Gly	Ile	Glu	Xaa	Leu
			85						90					95	

Thr	Asp	Met	Xaa	Arg	Pro	Xaa	Glu	Leu	Xaa	Asp	Arg	Glu	Thr	Leu	Val
			100					105					110		

&lt;210&gt; 1249

<211> 113  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (110)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1249  
Lys Phe Met Asn Ser Arg Val Phe Lys Lys Ile Gln Ala Leu Lys Ala  
1 5 10 15  
Ser Pro Ser Lys Lys Arg Cys Asn Ser Ile Ala Ala Leu Lys Ala Thr  
20 25 30  
Ser Gln Glu Ile Val Ser Ser Ile Ser Gln Glu Trp Lys Asp Glu Lys  
35 40 45  
Arg Asp Leu Leu Thr Glu Gly Gln Ser Phe Ser Ser Leu Asp Glu Glu  
50 55 60  
Ala Leu Gly Ser Arg His Arg Pro Asp Leu Val Pro Ser Thr Pro Ser  
65 70 75 80  
Leu Phe Glu Ala Ala Ser Leu Ala Thr Thr Ile Ser Leu Leu Pro Ile  
85 90 95  
Arg Gln Trp Ala Leu Ser Thr Arg Gln Gly Leu Gln Phe Xaa Gln Thr  
100 105 110

Arg

<210> 1250  
<211> 76  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids



&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1250

Gly Xaa His Val Phe Arg Asn Ile His Lys Thr Asn Leu Cys Asp Leu  
1 5 10 15

Ile Thr Ser Leu Leu Cys Leu Xaa Val Leu Leu Pro Thr Lys Glu Leu  
20 25 30

Asn Glu His Phe Xaa Ser Lys Leu Lys Ala Pro Ile Pro Ile Glu Leu  
35 40 45

Val Val Val Val Xaa Ala Thr Leu Thr Ser His Phe Gly Lys Leu His  
50 55 60

Glu Asn Tyr Asn Ser Ser Ile Ala Gly His Xaa Pro  
65 70 75

&lt;210&gt; 1251

&lt;211&gt; 151

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1251

Leu Val Ser Asn Gly Pro Ala Asp Thr Leu Asp Leu Thr Tyr Trp Ile  
1 5 10 15

Asp Gly Thr Arg His Val Val Ser Leu Glu Asp Val Gly Leu Ala Asp  
20 25 30

Ser Gln Trp Lys Asn Val Thr Val Gln Val Ala Gly Glu Thr Tyr Ser  
35 40 45

Leu His Val Gly Cys Asp Leu Ile Asp Ser Phe Ala Leu Asp Glu Pro  
50 55 60

Phe Tyr Glu His Leu Gln Ala Glu Lys Ser Arg Met Tyr Val Ala Lys  
65 70 75 80

Gly Ser Ala Arg Glu Ser His Phe Arg Gly Leu Leu Gln Asn Val His  
85 90 95

Leu Val Phe Glu Asn Ser Val Glu Asp Ile Leu Ser Lys Lys Gly Cys  
100 105 110

Gln Gln Gly Gln Gly Gly Arg Cys Val Val Lys Asn Ala Phe Tyr Ile  
115 120 125

Leu Ala Trp Met Asp Phe Tyr Cys Asp Met Val Tyr Val Cys Val Cys  
130 135 140

Met Cys Val His Ser Cys Leu  
145 150

<210> 1252  
<211> 56  
<212> PRT  
<213> Homo sapiens

<400> 1252  
Lys Asn Gly Thr Ser Leu Cys Phe Ser Ser Ala Thr Met Ser Asp Lys  
1 5 10 15

Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys Leu Lys Lys  
20 25 30

Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu Thr Ile Glu  
35 40 45

Gln Glu Lys Gln Ala Gly Glu Ser  
50 55

<210> 1253  
<211> 74  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (45)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (54)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (62)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1253

Ala	Glu	Gly	Pro	Xaa	Ala	Ala	Ala	Leu	Leu	Leu	Ser	Leu	Leu	Leu	Phe
1				5				10						15	
Gly	Phe	Thr	Leu	Val	Xaa	Gly	Thr	Gly	Ala	Glu	Lys	Thr	Gly	Val	Xaa
			20					25						30	
Pro	Glu	Leu	Gln	Ala	Ala	Pro	Ala	Thr	Xaa	Xaa	Xaa	Xaa	Cys	Val	Leu
			35					40					45		
Xaa	Asn	Ser	Glu	Met	Xaa	Arg	Thr	Thr	Ser	Lys	Xaa	Leu	Xaa	Gly	Gly
			50					55					60		
Xaa	Val	Xaa	Pro	Ser	Ala	Ser	Leu	Pro	Gln						
			65					70							

<210> 1254

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (121)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (125)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1254

Ser Pro Ala Arg Pro Leu Ile Arg Ser Asp Lys Met Lys Glu Thr Ile  
1 5 10 15

Met Asn Gln Glu Lys Leu Ala Lys Leu Gln Ala Gln Val Arg Ile Gly  
20 25 30

Gly Lys Gly Thr Ala Arg Arg Lys Lys Lys Val Val His Arg Thr Ala  
35 40 45

Thr Ala Asp Asp Lys Lys Leu Gln Phe Ser Leu Lys Lys Leu Gly Val  
50 55 60

Asn Asn Ile Ser Gly Ile Glu Glu Val Asn Met Phe Thr Asn Gln Gly  
65 70 75 80

Thr Val Ile His Phe Asn Asn Pro Lys Val Gln Ala Ser Xaa Ala Ala  
85 90 95

Asn Thr Phe Thr Ile Thr Gly His Ala Glu Thr Lys Xaa Leu Thr Xaa  
100 105 110

Met Leu Pro Xaa Ile Leu Asn Gln Xaa Gly Ala Asp Xaa Leu Thr Lys  
115 120 125

Phe

&lt;210&gt; 1255

&lt;211&gt; 188

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (183)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1255

Xaa Thr Ser Leu Glu Thr Pro Val Pro Val Leu Asn Ser Arg Leu Asp  
1 5 10 15

Pro Arg Val Arg Met Thr Val Pro Gly Ala Ser Pro Glu Asp Xaa Trp  
20 25 30

Val Lys Val Glu Tyr Ala Tyr Ser Asp Asn Ser Leu Asp Pro Gly Leu  
35 40 45

Phe Val Glu Ser Thr Arg Lys Gly Ser Val Val Ser Arg Ala Asn Ser  
50 55 60

Ile Gly Ser Thr Ser Ala Ser Ser Val Pro Asn Thr Asp Asp Glu Asp  
65 70 75 80

Ser Asp Tyr His Gln Glu Ala Tyr Lys Glu Ser Tyr Lys Asp Arg Arg  
85 90 95

Arg Arg Xaa Thr His Xaa Arg Leu Glu Gln Lys Arg Arg Asp Ala Ile  
100 105 110

Lys Arg Gly Tyr Asp Asp Leu Gln Thr Ile Val Pro Thr Cys Gln Gln  
115 120 125

Gln Asp Phe Ser Ile Gly Ser Gln Lys Leu Ser Lys Ala Ile Val Tyr  
130 135 140

Lys Arg Pro Leu Thr Thr Phe Ser Phe Cys Thr Arg Arg Arg Lys Ser  
145 150 155 160

Arg Arg Arg Arg Xaa His Val Thr Gln Gly Cys Thr Gly Leu Lys Ile  
165 170 175

Met Lys Val Asn Tyr Glu Xaa Ile Val Lys Ala Xaa  
180 185

<210> 1256

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1256

Leu Pro Cys Val Lys Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg  
1 5 10 15

Xaa Arg Ala Arg Met Leu Asn Leu Leu Leu Xaa Ala Leu Ala Val Leu  
20 25 30

Ala Ser Arg Ala Tyr Ala Xaa Pro Ala Pro Gly Gln Ala Leu Gln Arg  
35 40 45

Val Gly Ile Val Gly Gly Xaa Glu Ala Pro Arg Ser Lys Trp Pro Trp  
50 55 60

Xaa Val  
65

<210> 1257

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE



<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1257

Gly Xaa Glu Gly Lys Xaa Phe Ser Val Ser Gly Xaa Trp Ser Ser Thr  
1 5 10 15

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn  
20 25 30

Ser Ala Arg Ala Ala Gln Gln Arg Leu Thr Leu Cys Leu Arg Gly Arg  
35 40 45

Glu Ser Pro Gly Gly Arg His Gly Gly Val Gly Glu Pro Ala Gln Glu  
50 55 60

Asn Gly Val Gln Val Phe Asn Asp Gly Ser Ser Arg Glu Leu Met Asn  
65 70 75 80

Leu Thr Gly Thr Ile Pro Val Pro Tyr Arg Gly Asn Thr Tyr Asn Ile  
85 90 95

Pro Ile Cys Leu Trp Leu Leu Asp Thr Tyr Pro Tyr Asn Pro Pro Ile  
100 105 110

Cys Phe Val Lys Pro Thr Ser Ser Met Thr Ile Lys Thr Gly Lys His  
115 120 125

Val Asp Xaa Pro Lys Lys Xaa Gly Gly Xaa Lys Lys Gly Lys Ile Leu  
130 135 140

Xaa Phe  
145

<210> 1258

<211> 35

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<220>

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<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1258  
Xaa Ile Pro Pro Asp His Gln Thr Leu Ile Phe Ala Gly Lys His Leu  
1 5 10 15  
Glu Asn Gly Xaa Xaa Leu Ser Asp Tyr Xaa Xaa His Lys Glu Ser Xaa  
20 25 30  
Leu His Leu  
35

<210> 1259  
<211> 73  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1259

Val Lys Val Cys Met Met Met Xaa Leu Leu Xaa His Arg Leu Leu Lys  
1 5 10 15

Trp Ser Trp Ile Val Arg Ser Lys Leu Leu Leu Gln Asp Pro Pro Val  
20 25 30

Thr Tyr Ile Gln Gln Phe Ala Asp Ala Ala Xaa Asn Leu Thr Ser Xaa  
35 40 45

Asp Ser Glu Lys Trp Asn Ser Val Phe Pro Lys Pro Gly Thr Leu Val  
50 55 60

Gln Val Leu Glu Ala Ala Lys Phe Ala  
65 70

<210> 1260

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

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<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

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<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1260

Leu	Cys	Ser	Thr	Xaa	Xaa	Xaa	Arg	His	Asn	Ile	Gln	Lys	Glu	Leu	Cys
1				5					10					15	

Leu	His	Ala	Ala	Gln	Gly	Leu	Ala	Gln	Leu	Lys	Ala	Cys	Thr	Tyr	Lys
		20						25					30		

Gly	His	Lys	Thr	Gly	Xaa	Thr	Xaa	Glu	Xaa	Ile	Trp	Glu	Ile	Gln	Lys
		35					40					45			

Asp	Gln	Leu	Xaa	Tyr	Tyr	Pro	Phe	Leu	Lys	Met	Cys	Leu	Ser	Ala	Asn
	50					55					60				

Xaa	Glu	His	Xaa	Ser	Leu	Val	Asp	Ala	Thr	His	Xaa	Asn	His	Ser	Xaa
65					70					75					80

Asn	Gly	Tyr	Leu	Ala	Lys	Met	Ile	Lys	Arg	Ser	Leu	Lys	Leu	Thr	
			85						90					95	

<210> 1261  
<211> 94  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (86)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (91)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1261  
Phe Gly Thr Arg Lys Arg Met Glu Thr Lys Gly Ala Gly Val Thr Leu  
1 5 10 15  
Asn Val Leu Glu Met Thr Ser Glu Asp Leu Glu Asn Ala Leu Lys Ala  
20 25 30  
Val Ile Asn Asp Lys Ser Tyr Lys Glu Asn Ile Xaa Arg Leu Ser Ser  
35 40 45  
Leu His Lys Asp Arg Pro Val Glu Pro Leu Asp Leu Ala Val Phe Trp  
50 55 60  
Val Glu Phe Val Met Arg His Lys Gly Ala Pro His Leu Arg Pro Ala  
65 70 75 80  
Pro His Gly Pro His Xaa Val Pro Val Pro Xaa Pro Trp Pro  
85 90

<210> 1262  
<211> 66  
<212> PRT  
<213> Homo sapiens

<400> 1262  
Gly Thr Gly Gln His Trp His Ser Gln Ala Val Gly Lys Gly Arg Asp

Gln Leu Ser Lys Met Phe Leu Tyr Tyr  
115 120

<210> 1264  
 <211> 101  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (96)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (100)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (101)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1264  
 Val Ala Ser Gly Val Gly Arg Val Thr Val Asn Ala Tyr Val Ser Leu  
     1                    5                    10                    15  
 Phe Tyr Thr Ile Lys Arg Ala Gln Val Val Ser Pro Glu Arg Val Gly  
                     20                    25                    30  
 Ser Trp His Ile Gly Arg Pro Ser Asp Pro Val Gln Cys Leu Leu Ala  
                     35                    40                    45  
 Ile Leu Pro Glu Gln Ala Leu Lys Pro Lys Ser His Pro Arg Pro Val  
                     50                    55                    60  
 Ser Ala Xaa Ala Lys Ala Ser Leu Ser Ser Gly Arg Arg Gly Lys Gly  
     65                    70                    75                    80  
 Ala Gly Asp Gln Ala Leu Ala Leu Gly Pro Ser Phe Ser Pro His Xaa  
                     85                    90                    95  
 Gly Asn Lys Xaa Xaa  
                     100

<210> 1265  
<211> 43  
<212> PRT  
<213> Homo sapiens

<400> 1265  
Asp Leu Leu Met Lys Met Thr Ile Ser Cys Cys Phe Tyr Pro Thr Ser  
1 5 10 15  
Ala Phe Ser Pro Phe Lys Ala Ala Val Ser Cys Leu Ile Lys Glu Tyr  
20 25 30  
Trp Pro Val Leu Gln Ile Leu Thr Gly Phe Gly  
35 40

<210> 1266  
<211> 29  
<212> PRT  
<213> Homo sapiens  
  
<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1266  
Gly Ser Trp Pro Gly Ala Xaa Gly Xaa Arg Asp Gly Ser His Gly Xaa  
1 5 10 15  
Arg Leu Xaa Ala His Gly Pro Ile Asn Leu Glu Arg Ile  
20 25



<210> 1267  
<211> 59  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (59)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1267

Xaa Pro Xaa Phe Xaa Gln Glu Leu Ile Gln Asn Phe Pro Asp Lys Xaa  
 1 5 10 15  
 Asn Leu Xaa Leu Val Phe Leu Leu Phe Phe Val Leu Val Asn Leu Gly  
 20 25 30  
 Ser Asn Val Ile Arg Asn Ser Leu Trp Xaa Xaa Ala Thr Asp Ala Gln  
 35 40 45  
 Pro Val Xaa Val Asp Tyr Ser Ser Ser Asn Xaa  
 50 55

<210> 1268

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1268

Val Phe Lys Lys Asn Met Ser Cys Xaa Leu Ser Lys Asn Lys Met His  
 1 5 10 15

Leu Asn Ser Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Gly Arg  
 20 25 30

Gly Lys Lys Lys Xaa Glu Xaa Glu Xaa Leu Lys Lys Gly Arg Gly Ala  
35 40 45

Pro

<210> 1269  
<211> 61  
<212> PRT  
<213> Homo sapiens

<400> 1269  
Pro Thr Leu Pro Glu Glu Asn Ser Val Phe Phe Thr Phe His Thr Val  
1 5 10 15

Phe Pro Met Arg Glu Gly Ala Gln Pro Glu Ser Thr Thr Ile Met Val  
20 25 30

Lys Phe Pro Thr Glu Ser Ser Cys Glu Trp Ile Ile Arg Lys Asn Glu  
35 40 45

Glu Ser Lys Arg Gln Lys Ser Lys Asn Arg Trp Gly Leu  
50 55 60

<210> 1270  
<211> 29  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1270  
Asn Ile Asn Lys Asp His Leu Met His Ala Phe Lys Lys Lys Lys Lys  
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Xaa Xaa  
           20                                  25

<210> 1271  
 <211> 113  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (53)  
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (81)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (82)  
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (111)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1271  
 Gly Pro Lys Glu Glu Leu Arg Gly Gly Gly Gly Asp Met Ala Asp Leu  
       1                  5                          10                          15

Pro Arg Arg Val Thr Arg Pro Leu Met Met Gly Leu Gln Gly Ser Ser

	20		25		30
Gly	Leu	Xaa	Ala	Xaa	Thr
	35		40		45
Val	Gln	Arg	Lys	Arg	Ala
Gly	Ile	Val	Thr		
Gly	Ser	Asp	Gly	Xaa	His
	50		55		60
Arg	Ser	Glu	Arg	Glu	Xaa
Ala	Gly	Thr	Gly		
Ile	Val	Thr	Val	Thr	Ala
	65		70		75
Ser	Thr	Asn	Gly	Gly	Ser
					80
Xaa	Xaa	Arg	Gly	Arg	Asp
		85		90	
Glu	Ala	Arg	Ser	Trp	Gly
Arg	Trp	Pro	Gly		
					95
Gln	Arg	Val	Gly	Arg	Phe
	100		105		110
Gln	Pro	Arg	Ile	Leu	Xaa
Glu					

Phe

&lt;210&gt; 1272

&lt;211&gt; 87

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
<221> SITE  
<222> (76)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1272  
Gly Lys Ser Asn Val Leu Trp Xaa Gln Arg Arg Gly Arg Xaa Gln His  
1 5 10 15  
Leu Ala Trp Xaa Ser Gln Gly Thr Gln Xaa Arg Ser Pro Pro Gly His  
20 25 30  
Asn Thr Xaa Lys Ala Ser Tyr Ser Gly Val Glu Ser Phe Gln Gln Pro  
35 40 45  
Gly Pro Val Leu Gly Xaa Tyr Ser His Pro Pro Tyr Arg Cys Val Tyr  
50 55 60  
Val Thr Leu Cys His Xaa Xaa Ser Xaa Thr Ile Xaa Asn Ser Gln Glu  
65 70 75 80  
Ser Pro His Phe Tyr Asn Leu  
85

<210> 1273  
<211> 115  
<212> PRT  
<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (103)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (105)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1273

His Lys Ala Pro Leu Glu His Leu Pro Gly Trp Gln Asp His Ala Ile  
1 5 10 15

Ser Val Glu Lys Val Leu Gly Arg Glu Val Leu Pro Val Pro His Gly  
20 25 30

Val Arg Pro Cys Pro Cys Trp Gly Leu Trp Gly Gly Ile Trp Tyr Ser  
35 40 45

Gly Gly Leu Ala Gln Leu Ser Leu Arg Ser Phe Pro Ile Arg Met Leu  
50 55 60

Val Asn Ile Leu Arg Ser Ser Leu Phe Ser Asn Lys Glu Tyr Ser Phe  
65 70 75 80

Asn Ser Cys Ser Ser Ser Gln Phe Thr Thr Pro Ile Cys Leu Ser Lys  
85 90 95

Ile His Pro Asn Gly Ile Xaa Gly Xaa Gly Pro Pro Trp Ile Gln Ser  
100 105 110

Val Ser Trp  
115

&lt;210&gt; 1274

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1274

Glu Leu Val Ser Ser Phe Phe Phe Phe Phe Phe Leu Phe Phe Gly Ser  
1 5 10 15

Phe Lys Gly Asn Gly Pro Ser Met Ser Ile Phe Asn Ile Leu His Ser  
20 25 30

Leu Phe Leu Trp Cys

35

<210> 1275  
<211> 107  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (50)  
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<220>  
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<222> (57)  
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<220>  
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<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (68)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (79)  
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<220>  
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<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (91)

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<222> (101)

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<222> (102)

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<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1275

Asp Cys Gly Thr Leu Ile Ile Tyr His Ala Gly Ser Pro Gln Lys Pro  
1 5 10 15

Cys Ala His Glu Pro Leu Trp Ala Xaa Gly Glu Lys Arg Gly Leu Arg  
20 25 30

Glu Leu Pro Glu Arg Ala Val Ser Trp Glu Gln Gly Asp Ile Ser Ser  
35 40 45

Pro Xaa Thr Arg Asn Met Thr Gln Xaa Xaa Gly Asn Lys Lys Pro Ser  
50 55 60

Pro Xaa Xaa Xaa Gly Gly Ala Arg Pro Leu Lys Ser Thr Met Xaa Ala  
65 70 75 80

Gly Gly Ile Xaa Val Lys Xaa Ser Gly Phe Xaa Lys Asp His Ile Phe  
85 90 95

Phe Ser Gln Phe Xaa Xaa Pro Xaa Phe Xaa Cys  
100 105

<210> 1276  
<211> 85  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (81)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1276

Ile	Asn	Lys	Ile	Cys	Xaa	Asn	Leu	Tyr	Pro	Leu	Leu	Trp	His	Phe	Xaa
1				5					10					15	

Xaa	Ile	Ile	Xaa	Ala	Arg	Lys	Met	Xaa	Xaa	Asn	Xaa	Gly	Pro	Gly	Xaa
			20					25					30		

Glu	Gly	Lys	Glu	Pro	Phe	Leu	Val	Ala	Gly	Asn	Cys	Val	Gly	Lys	Glu
		35					40					45			

Val	Gln	Ile	Cys	Ala	Tyr	Glu	Ile	Ser	Arg	Asn	Arg	Trp	Asn	Xaa	Thr
	50						55				60				

Pro	Met	Gln	Leu	Leu	Leu	Xaa	Xaa	Lys	Gln	Gly	Ala	Trp	Ser	Asn	Gly
65						70				75				80	

Xaa	Thr	Leu	Cys	Leu
				85

&lt;210&gt; 1277

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1277

Trp Val Tyr Thr Val Val Arg Gln Val Ser Phe Thr Leu Leu Met Met  
1 5 10 15

Cys Cys Cys His Gly Asn Pro Ala Gln Tyr Glu Arg Asn Arg Arg Phe  
20 25 30

Xaa His Leu Val Tyr Val Leu Gly  
35 40

&lt;210&gt; 1278

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1278

Asn Tyr His Ser Gly Gly Pro Xaa Lys Thr Pro Ala Gly Asp His Leu  
1 5 10 15

Ala Xaa Trp Leu Lys Pro Pro Val Ser Ile Ser Lys Phe Xaa Pro Lys  
20 25 30

Glu Gly Val Gly Xaa Lys Ile Trp Gly Asn Leu Ser Pro Phe Xaa Phe  
35 40 45

Phe Pro Gly Thr Pro Pro Leu Xaa Gly Glu Thr Leu Ala Arg Gly Xaa  
50 55 60

Xaa

65

&lt;210&gt; 1279

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1279

Val Ile Ala Asp Cys Ile Ala Leu Phe Leu Xaa Arg Leu Ser Ile Leu  
1 5 10 15

Ile Gln Lys Val Ser Ile Phe Xaa Asn His Glu Ile  
20 25

&lt;210&gt; 1280

&lt;211&gt; 22

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1280

Tyr	Glu	Gly	His	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe
1				5				10					15		

Phe	Xaa	Pro	Pro	Pro	Xaa
					20

<210> 1281

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1281

Xaa	Xaa	Leu	Lys	Asp	Thr	Cys	Leu	Lys	Ala	Glu	Met	Glu	Ala	Xaa	Cys
1				5					10					15	

Xaa	Arg	Arg	Ile	Leu	Cys	Xaa	Asn	Leu	Ala	Met	Cys	Phe	Pro	Cys	Xaa
			20					25						30	

Trp	Ala	Asp	Glu	Cys	Leu	Leu	Asn	Asp	Glu	Ile	Leu	Thr	Ser	Lys	Gly
		35					40					45			

Gly

<210> 1282

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1282

His Glu Pro Ala Ser Leu Ser Pro Ala Ala Trp Ala Arg Lys Val Cys  
1 5 10 15

Gly Ser Phe Ser Gly Ser Asp Phe Xaa Thr Glu Leu His Arg Pro Thr  
20 25 30

Xaa Leu Ser Pro Xaa Gly Leu Gln Gly Pro Gly Ser Arg Pro Lys Pro  
35 40 45

Xaa Lys Ser Lys Thr Ser Leu Glu Lys Phe Arg Asp Arg Pro Gly Glu  
50 55 60

Met Gly Xaa Arg Tyr Gly Val Ser His Leu Thr Pro Glu Asp Ala Xaa  
65 70 75 80

Phe Ser Leu Gln Gly Ala  
85

<210> 1283

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1283

Thr Pro Leu Ser Gln Asn Pro Ala Gln Ala Glu Arg Tyr Gly Ser Ala  
1 5 10 15

Ala Glu Pro Arg Leu Ala Ser Asp Ser Arg Ser Pro Ala Cys Pro Arg  
20 25 30

Arg Arg Ala Ala Pro Pro Ser Thr Arg Pro Ala Arg Ala Gly Gly Arg  
35 40 45

Val Pro Arg Arg Ala Pro Gly Pro Gly Ser Gly Ala Glu Cys Pro Ser



50

55

60

Ser Trp Glu Thr Gly Pro Gly Trp Lys Gly Gly Arg Leu Glu Asp Pro  
 65 70 75 80

Ser Leu Arg Thr Arg Ala Cys Xaa Ala Ile Xaa  
 85 90

&lt;210&gt; 1284

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1284

Xaa Glu Xaa Ala Gly Lys Ala Ser Thr Pro Ala Gly Thr Gly Pro Glu  
 1 5 10 15

Phe Pro Gly Leu Pro Thr Phe Pro His Arg Cys Ser Tyr Xaa Tyr Met  
 20 25 30

Gln Asn Ile Cys Gln Ala Leu Cys Gln Leu Ser Cys Thr Tyr Gly Ile  
 35 40 45

Glu Thr Met Glu Leu Gly Thr Ser Trp Ile Phe Phe Leu  
 50 55 60

&lt;210&gt; 1285

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1285

Leu Thr Lys Ser Phe Lys Ile Phe Cys Asp Asn Val Leu Ile Glu Ala  
1 5 10 15

Tyr Ile Ile Leu Gln Phe Leu Glu Ser Lys Met Met Tyr Pro Leu Arg  
20 25 30

Ile Tyr Thr Ser Cys Phe Ile Gly Leu Arg Gly Leu Ile Phe Ile Arg  
35 40 45

Arg Asp Leu Leu Val Phe Thr Ile Cys Pro Leu Ser Trp His Val  
50 55 60

<210> 1286

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1286

Ser Leu Tyr Pro Ile His Met Leu Phe Lys Asn Xaa Ala Ile Thr Lys  
1 5 10 15

Lys Gln Ile Met Val Phe Phe Arg Asn Leu Ile Xaa Val Tyr Ser Thr  
20 25 30

Lys Tyr Phe  
35

<210> 1287

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1287

Xaa Glu Gly Val Gly Phe Xaa Xaa Val Asp Gly Gly Gly Glu Gly Arg  
1 5 10 15

Pro Pro Glu Leu Xaa Leu Met Gln Ser Phe Leu Ala Met Xaa Asn Leu  
20 25 30

Ser Val Ile Val Leu Ile Ile Lys Phe Xaa Val Phe Lys Lys Xaa Xaa  
35 40 45

Xaa Leu Ser Xaa Leu Xaa Phe Xaa Thr Pro Trp Lys Val Pro Xaa Gly  
50 55 60

Gly Gly Ala Gln Ser Xaa Trp Phe Ser  
65 70

<210> 1288

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1288

Gly	Gln	Met	Leu	Ile	Phe	Cys	Leu	Gln	Lys	Lys	Leu	Gly	Phe	Pro	Lys
1				5					10					15	

Gln	Phe	Tyr	Tyr	Pro	Val	His	Asn	Ser	Phe	Thr	Gln	Xaa	Ser	Ser	His
			20					25					30		

Gly	Ile	His	Gly	Ser	Xaa	Ser	Phe	Xaa	Leu	Pro	Asp	Gly	Arg	Asn	Lys
	35						40					45			

Ile	Ile	His	Phe	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
	50				55					60					

Lys	Arg	Xaa	Ala	Xaa	Xaa	Glu	Asp	Pro	Ser	Xaa	Arg	Xaa
65					70					75		

<210> 1289

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1289

Ala	Arg	Thr	Ala	Xaa	Ala	Xaa	Glu	Gly	Val	Arg	Xaa	Trp	Asp	Leu	Thr
1				5					10					15	

Val	Gly	Pro	Ile	Ser	Leu	Phe	Ser	Ala	Leu	Leu
			20						25	

<210> 1290

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1290

Asn	Ser	Ala	Arg	Ala	His	Leu	His	Leu	Pro	His	Ser	Pro	Pro	Leu	Leu
1				5					10					15	

Val	Pro	Asp	Thr	Ser	Thr	Pro	Thr	Trp	Ser	Ser	Pro	Ile	Ala	His	Lys
			20					25						30	

Arg	Gly	Gly	Thr	Arg	Asp	Glu	Leu	Ser
			35					40

<210> 1291

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1291

Ser Arg Arg Pro Gly Pro Arg Gly Leu Val Xaa Ala Ser Gly Arg Gly  
1 5 10 15

Pro Gly Ser Ser Gln Ser Phe Pro Ser Pro Asn Asp Val Ala Phe Phe  
20 25 30

Val Val Cys Phe Arg Xaa Leu Lys Gln Pro Arg Arg Arg Leu Tyr Trp  
35 40 45

Leu Ser Ala Leu Ala Thr Ala Val Val Met Val Thr Gly Pro Asn Ser  
50 55 60

Arg Trp Pro Lys Pro Thr Cys His Arg Ala Gly Ser Leu Val Gly Arg  
65 70 75 80

Xaa Gln Ala Arg Gly Xaa Ala Xaa Ala Glu His Ser Phe  
85 90

<210> 1292

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1292

Gln Ala Ala Glu Pro Lys Glu Phe Ala Pro Arg Cys Gly Pro Thr Trp  
1 5 10 15

Leu Gly Pro Cys Pro Gly Arg Val Ile Leu Cys Ser Glu Ala Ile Ser  
20 25 30

Gly Thr Gly Pro Pro Arg Pro Thr Pro Pro Glu His Gly Ser Arg Leu  
35 40 45

Pro Gln Pro Ser Trp Leu Arg Arg Leu Ser Glu Pro Arg Gly Gly Leu  
50 55 60

Glu Gly Arg Phe Val Cys Arg Asp Gly Ala Arg Ala Gln Val Leu Asp  
65 70 75 80

Val Val Cys Ile Glu Arg Pro Lys Ala Gly Gly Lys Cys Thr Gly His  
85 90 95

Lys Arg Ser Leu Ser Cys Asp Ala Gln Val Leu Arg Ser Gly Arg Xaa  
100 105 110

Pro Ala Gly Ser Gly His Xaa Trp Val His Arg Gly Ala Phe Gln Thr  
115 120 125

Asn Met  
130

<210> 1293

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)



<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1293

Trp	Phe	Pro	His	Ser	Arg	Cys	Phe	Xaa	Ile	Arg	Ile	Arg	Val	Leu	Leu
1				5					10					15	

Glu	Arg	Xaa	Ser	Cys	Ser	Xaa	Tyr	Arg	Ile	Val	Val	Val	Xaa	Phe
			20					25						30

<210> 1294

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1294

Gly	Gly	Xaa	Val	Pro	Asn	Cys	Pro	Tyr	Ser	Glu	Cys	Val	Leu	Gln	Leu
1				5					10					15	

Thr Gly Xaa Trp Xaa Tyr Xaa Val Val Asp Trp Glu Lys Xaa Trp Gly

20

25

30

Tyr Pro Thr

35

&lt;210&gt; 1295

&lt;211&gt; 84

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (83)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1295

Phe Gln Phe Ala Asn Arg Thr Asn Thr Gly Glu Asn Leu Pro Lys Thr  
1 5 10 15

Leu Val Ile Lys Tyr Ile Ser Ser Thr Phe Arg Ser Phe Phe Phe Trp  
20 25 30

Asp Ser Val Ser Asn Lys Xaa Ile Lys Ile Lys Xaa Gly Xaa His Phe  
35 40 45

Ala Val Ala Ala Val Gln Arg Thr Leu Leu Asn Leu Tyr Val Arg His  
 50 55 60

Ser Met Leu Tyr Trp Gly Asn Leu Gly Arg Ser Xaa Val Phe Xaa Ile  
 65 70 75 80

His Ile Xaa Ile

<210> 1296

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1296

Ser Xaa Asn Val Val Xaa Leu Pro Phe Val Lys Ala Pro Lys Xaa Arg  
 1 5 10 15

Asn Pro Asn Leu Thr Cys Asn Thr Xaa Leu Thr Gln Asn Gly Ser Tyr  
 20 25 30

Ile Xaa Leu  
 35

<210> 1297  
<211> 102  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (80)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (94)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (97)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1297

Gly Val Leu Ala Arg Ala Xaa Xaa Xaa Pro Gly Ala Ala Asp Gly Arg  
1 5 10 15

Ala Arg Leu Cys Gly Pro Glu Val Gly Ala Xaa Xaa Ala Lys Val Ala  
20 25 30

Gly Ala Ala Glu Pro Asp Glu Asp Gly Gly Arg Ser Gly Phe Gly Thr  
35 40 45

Ala Glu Thr Thr His Arg Ala Ser Ala Trp Ala Arg Arg Ser Asp Ala  
50 55 60

Val Val Pro Gly Arg His Ser Gly Arg His Arg Asp Gly Gln Lys Xaa  
65 70 75 80

Arg Arg Val Phe Val Val Phe Val Ala Val Met Met Asn Xaa Leu His  
85 90 95

Xaa Trp Leu Gln Val Xaa  
100

<210> 1298

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1298

Cys Lys Gln Tyr Leu Thr Asn Pro Gln Val Leu Asn Tyr Gln Thr Cys  
1 5 10 15

Ile Lys Asn Phe Gly Trp Gly Asp Leu Gly Ala Glu Pro Ser Leu Arg

20

25

30

Xaa Xaa His Ala Xaa Thr Ser Pro Val Lys Ala Asn Tyr Tyr Thr Arg  
35 40 45

Leu Ile Gln  
50

&lt;210&gt; 1299

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1299

Arg Thr Xaa Gln Gly Glu Gly Gln Arg Arg Arg Pro Cys Lys Ser Xaa  
1 5 10 15

Val Lys Lys Lys Lys Xaa Xaa Xaa Pro Xaa Tyr Arg Leu Glu Glu Val  
20 25 30

Lys Asp Lys Asp Gly Lys Pro Leu Leu Xaa Lys Glu Ser Xaa Gly Thr  
35 40 45

Ala Ser Thr His Gly Val Glu Asp Phe Leu Leu Gly Trp Leu Cys Val  
50 55 60

<210> 1300

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1300

Lys Met Lys Leu Cys Arg Lys Cys Ser Pro Gln His Asp Xaa Glu Arg  
1 5 10 15

Asn Ser Gly Thr Arg Phe Phe Pro Val Pro Leu Phe Ser Gln Gly Ser  
20 25 30

Ala Gly Ile Gln Gly Gln Arg Ile Ser Leu Pro Glu Cys Ala Lys Xaa  
35 40 45

Xaa Glu Lys Gly Asn Cys Leu Ser Leu Xaa  
50 55

<210> 1301

<211> 37

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1301

Thr Leu Val Gln Xaa Val Val Ser Gly Ala Ser Val Xaa Gly Lys Ser  
1 5 10 15

Pro Pro Tyr Xaa Lys Trp Asn Ser Pro Glu Pro Val Cys Glu Arg Xaa  
20 25 30

Thr Gly Val Xaa Ser  
35



<210> 1302  
<211> 75  
<212> PRT  
<213> Homo sapiens

<400> 1302  
Gln Glu Glu Ala Leu His Ile Leu Gly Phe Gln Pro Pro Phe Glu Asp  
1 5 10 15  
Ile Arg Phe Gly Pro Phe Thr Gly Asn Thr Thr Leu Met Arg Trp Phe  
20 25 30  
Arg Gln Ile Asn Asp His Phe His Val Lys Gly Cys Ser Tyr Val Leu  
35 40 45  
Tyr Lys Pro His Gly Lys Asn Lys Thr Ala Gly Glu Thr Ala Ser Gly  
50 55 60  
Ala Leu Ser Lys Leu Thr Arg Gly Ile Glu Arg  
65 70 75

<210> 1303  
<211> 26  
<212> PRT  
<213> Homo sapiens

<220>  
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<220>  
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<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1303

Ala Xaa Xaa His His Pro Trp Xaa Xaa Leu Xaa Trp Glu Arg Phe Arg

1

5

10

15

Cys Asn Ile Asn Cys Asp Glu Asp Pro Lys

20

25

<210> 1304

<211> 46

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1304

Gly	Arg	Val	Lys	Xaa	Phe	Xaa	Gly	Ala	Pro	Gly	Asn	Xaa	Ala	Asp	Xaa
1				5					10					15	

Xaa	Xaa	Phe	Arg	Thr	Gln	Met	Met	Asp	Leu	Glu	Leu	Ala	Met	Xaa	Arg
			20					25					30		

Gln	Asn	His	Gly	Leu	Ser	Ser	Tyr	Asp	Xaa	Gly	Gly	Xaa	Val
		35					40					45	

<210> 1305

<211> 70

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1305

Lys Ser Glu Gly Xaa Met Phe Cys Glu Thr Phe Ile Phe Leu Lys Glu

1

5

10

15

Lys Xaa Lys Gly Arg Pro Ile Ser Ser Gln Asp His Thr His Xaa Xaa  
20 25 30

Gly Xaa Gly His Xaa Xaa Ser Met Ala Xaa Phe Val Lys Phe Gly Cys  
35 40 45

Phe Xaa Asn Xaa Xaa Leu Xaa Lys Trp Met Trp Pro Lys Thr Phe Xaa  
50 55 60

Leu Gly Trp Xaa Gly Lys  
65 70

<210> 1306

<211> 45

<212> PRT

<213> Homo sapiens

<220>

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1306  
Xaa Leu Thr Val Lys Asp Ala Gly Gly Gln Xaa Ile Pro Gly Val Pro  
1 5 10 15

Glu Xaa Ser Cys His Val Gly Val Lys Ala Glu Gly Ala Xaa Xaa Thr  
20 25 30

Gln Xaa Asp Arg Gly Ala Arg Xaa Xaa Ser Gln Ala Phe  
35 40 45

<210> 1307  
<211> 38  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1307  
Gln Ser Thr Arg Ala Glu Tyr Glu Ser Lys Ala Glu Gly Val Met Xaa  
1 5 10 15

Gly Gln Ala Phe Arg Lys Phe Gln Gln Gly Ala Ala Gly Asn Met Lys  
20 25 30

Gly Met Met Gly Ile Gln  
35

<210> 1308  
<211> 59  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<220>

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<222> (10)

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<222> (18)

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<220>

<221> SITE

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<221> SITE

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<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1308

Xaa	Val	Ser	Xaa	Phe	Arg	Lys	Pro	Leu	Xaa	Cys	Ala	Asn	His	Ser	Arg
1				5					10					15	

Lys	Xaa	Asn	Leu	Tyr	Leu	Gly	Tyr	Asn	Thr	Thr	Val	Ser	Tyr	Val	Thr
		20						25					30		

Xaa	Ala	Xaa	Xaa	Xaa	Pro	Leu	Cys	Xaa	Xaa	Xaa	Xaa	Ala	Lys	Xaa	Xaa
	35						40						45		

Xaa	Arg	Lys	Lys	Gly	Lys	Arg	Lys	Thr	Asn	Xaa
	50					55				

<210> 1309

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids



&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1309

Gly Thr Arg Ser Leu Glu His Ala Ala Gly Leu Xaa Gly Leu Ser Gln  
1 5 10 15

Val Cys Xaa Pro Arg Arg Xaa Ser Ala Arg Pro Val Gln Pro  
20 25 30

&lt;210&gt; 1310

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1310

Ser Tyr Asn His Gly Thr Lys Asn Phe Ile Glu Ile Phe Lys His Leu  
1 5 10 15

Ile Lys Leu Lys Leu Leu Phe Gln Met Phe Lys Phe Tyr His Pro Phe  
20 25 30

Phe Ser His Glu Phe Leu Lys Asp Tyr Ala Leu Met Leu Xaa Ser Ile  
35 40 45

Leu Leu Phe Leu Lys Ile Pro Gly Ile Phe Trp Tyr His Val Gln Pro  
50 55 60

Thr Ser Leu  
65

&lt;210&gt; 1311

&lt;211&gt; 99

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (81)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (91)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (97)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1311

Ser Pro Ser Leu Trp Val Val Pro Trp Arg Gly Trp Ser Ser Ser Ser  
1 5 10 15

Ser Ser Pro Thr Ser Ser Ala Gly Arg Gly Val Thr Gln Ala Thr Arg  
20 25 30

Leu Ser Ser Leu Val His Ala Gly Thr Ala Ala Ala Gly Ala Ser Val  
35 40 45

Pro Phe Ser Gly Leu Arg Val Leu Ser Lys Gly Gly His Thr Phe Trp  
50 55 60

Gln Thr Phe Leu Lys Xaa Gly Ser Ser Asn Val Lys Phe His Leu Gly  
65 70 75 80

Xaa His Leu Thr Met His Asn Arg Leu Ile Xaa Glu Met Asp Gly Val  
85 90 95

Xaa Phe Gly

&lt;210&gt; 1312

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1312

Gly	Ile	Xaa	Val	Gln	Glu	Gly	Arg	Gly	Leu	Ala	Val	Ala	Glu	Xaa	His
1				5					10					15	

Lys	Lys	Val	Thr	Arg	Pro	Gly	Ala	Ala	Asp	Xaa	Ala	Arg	Arg	Pro	His
			20					25					30		

Leu Tyr

<210> 1313

<211> 50

<212> PRT

<213> Homo sapiens

<220>

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<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1313

Thr	Val	Val	Arg	Gln	Val	Ser	Phe	Thr	Leu	Leu	Met	Met	Cys	Cys	Cys
1				5					10					15	

His	Gly	Asn	Pro	Ala	Gln	Tyr	Glu	Arg	Xaa	Arg	Ser	Ser	Asp	Ile	Gly
			20					25					30		

Val	Cys	Ala	Gly	Leu	Arg	Ser	Gln	Trp	Gly	Glu	Thr	Thr	His	Leu	Trp
			35				40						45		

Gly Xaa  
50

<210> 1314  
<211> 54  
<212> PRT  
<213> Homo sapiens

<400> 1314  
Thr Val Val Arg Gln Val Ser Phe Thr Leu Leu Met Met Cys Cys Cys  
1 5 10 15

His Gly Asn Pro Ala Gln Tyr Glu Arg Asn Arg Ser Ser Asp Ile Trp  
20 25 30

Cys Met Cys Leu Ala Glu Glu Pro Met Gly Arg Thr Thr Ile Cys Gly  
35 40 45

Ile Met Thr Glu Arg Leu  
50

<210> 1315  
<211> 84  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1315

Thr Ala Gly Arg Trp Pro Trp Lys Ser Glu Ser Ala Lys Glu Cys Val  
1 5 10 15

Thr Thr His Leu Pro Asn Gln Leu Ala Leu Lys Met Asp Gly Ala Gly  
20 25 30

Ala Ser Gly Pro Tyr Pro Ala Val Ala Gly Ser Arg Glu Trp Thr Gly  
35 40 45

Ala Ala Gly Ala Ala Arg Ala Arg Ala Val Leu Val Phe Ala Xaa Phe  
50 55 60

Pro Val Gly Lys Arg Pro Asn Pro Leu Pro Xaa Trp Phe Leu Xaa Pro  
65 70 75 80

Gln Xaa Xaa Thr

<210> 1316

<211> 68

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1316

Lys Ser Thr Ser Thr Gln Gly Trp Ser Ala Gln Trp Xaa Thr Glu His  
1 5 10 15

Gly Leu Leu Xaa Ser Leu Gln Tyr Phe Glu Phe Ile Phe Leu Pro Ile  
20 25 30

Tyr Val Leu Tyr Ala Ala Gly Ala Pro Leu Lys Phe Tyr Ser Val Leu  
35 40 45

Gln Lys Lys Lys Lys Lys Lys Lys Lys Arg Gly Ala Pro Xaa Lys Gly  
50 55 60

Pro Xaa Phe Xaa  
65

<210> 1317

<211> 51

<212> PRT

<213> Homo sapiens

<220>

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<220>

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1317

Ile	Xaa	Xaa	Pro	Xaa	Gly	Gly	Pro	Lys	Pro	Pro	Pro	Phe	Xaa	Lys	Xaa
1				5					10					15	

Phe	Ser	Pro	Pro	Pro	Pro	Pro	Arg	Asn	Pro	Pro	Xaa	Phe	Phe	Ser	Pro
		20						25					30		

Pro	Pro	Xaa	Asp	Pro	Xaa	Pro	Xaa	Lys	Lys	Phe	Phe	Phe	Phe	Leu	Lys
		35						40					45		

Thr	Pro	Pro
		50

&lt;210&gt; 1318

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (73)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1318

Asp Phe Asn Leu His Gln Pro Leu Lys Cys Arg Pro Leu Cys Asp Trp  
1 5 10 15

Xaa Tyr Ala Leu Leu Lys Cys His Lys Ala Ala Ser His Leu Trp Gly  
20 25 30

Tyr Cys Tyr Lys Phe Phe Leu Ser Leu Lys Xaa Pro Phe Leu Leu Ser  
35 40 45

Ser Val Gly Lys Phe Xaa Gln Ile Ser Ser Ser Xaa Pro Gly Arg Asn  
50 55 60

His Ser Pro Gln Gly Asn Leu Pro Xaa Leu Phe Leu Gly Cys  
65 70 75

&lt;210&gt; 1319

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)



<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1319

His	Leu	Asp	Val	Pro	Ser	Cys	Leu	Leu	Lys	Lys	Lys	Lys	Lys	Thr	Arg
1				5					10					15	

Xaa	Gly	Ala	Arg	Tyr	Pro	Xaa	Pro	Pro	Asn	Ser	Xaa
			20						25		

<210> 1320

<211> 27

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1320

Gly	Lys	His	Gly	Lys	Gly	Ser	Gly	Lys	Trp	Ala	Cys	Xaa	Xaa	Leu	Gly
1				5					10					15	

Arg	Xaa	Xaa	Leu	Xaa	Pro	Ala	Leu	Met	Val	Thr
			20					25		

<210> 1321

<211> 71  
<212> PRT  
<213> Homo sapiens

<400> 1321  
Gln Ser Pro Ile His Phe Ser Cys Thr Arg Met Leu Trp Lys Ser Leu  
1 5 10 15  
Met Thr Arg Thr Val Phe Ser Leu His Cys Leu Ala Leu Gly Phe Glu  
20 25 30  
Lys Lys Ile Arg Glu Gly Arg Ser Gly Ile Ser Trp Pro Lys Phe Pro  
35 40 45  
Leu Gly Arg Thr Gly Arg Cys Cys Ser Ser Lys Arg Glu Gly Phe Phe  
50 55 60  
Gln Ser His Leu Pro Glu Ser  
65 70

<210> 1322  
<211> 80  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (59)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (73)  
<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (74)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1322

Gly Gly Ser Thr Ser Ser Leu Lys Ile Leu Glu Gly Met Glu Glu Ser  
1 5 10 15

Gln His Val Phe Leu Thr Gln Asp Pro Trp Phe Val Leu Lys Ala Xaa  
20 25 30

Asn Pro Gln Val Pro Ala Phe Asp Asp Val Tyr Arg Lys Cys Trp Leu  
35 40 45

Thr Glu His Ile Cys Pro Ile Pro Gly Val Xaa Arg Lys Pro Xaa Ile  
50 55 60

Phe Xaa Ile Pro Asn Phe Phe Leu Xaa Xaa Lys Lys Lys Met Xaa Xaa  
65 70 75 80

&lt;210&gt; 1323

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1323

Gln Gly Leu Asn Pro Tyr Thr Phe Trp His Asn Xaa Ile Xaa Leu Gly  
1 5 10 15

Asn Glu Leu Cys Lys Gly Glu Pro Lys Leu Lys Thr Pro Xaa Asn Gln  
20 25 30

Thr Glu Leu Thr Leu Arg Asn Ser Leu Lys Glu Ala His Pro Ser Tyr  
35 40 45

Val Gly Lys Ile Val Gly Lys Val Phe  
50 55

<210> 1324

<211> 31

<212> PRT

<213> Homo sapiens

<220>

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<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1324

Lys Arg Lys Leu Arg Glu Gly Arg Asn Leu Asn Xaa Leu Met Lys Ile  
1 5 10 15

Met Leu Xaa Ile Ile Lys Thr Gly Tyr Glu Tyr Ser Asn Pro Phe  
20 25 30

<210> 1325

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1325

Leu Glu Ile Thr Leu Gln Gly Glu Pro Lys Leu Arg Pro Pro Lys Pro  
1 5 10 15

Asp Glu Leu Pro Lys Lys Gln Leu Lys Glu His Thr Arg Leu Cys Xaa  
20 25 30

Lys Ile Val Gly Arg Phe Ile Gly  
35 40

<210> 1326

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1326

Ala Tyr Lys Lys Glu Lys Glu Gln Ser Gln Glu Arg Thr Xaa Xaa Lys  
1 5 10 15

Cys Phe Gly Thr Ser Leu Phe Leu Asp Phe Glu Leu Ser Asn Trp Phe

20 25 30

Ser Gln Val Lys Leu Lys Asn Ser Glu Thr Trp Phe Tyr Glu Ser Cys  
35 40 45

Ser Tyr Thr Phe Leu Xaa Xaa Gly Pro Xaa Leu Leu Pro Arg Leu Leu  
50 55 60

Thr  
65

<210> 1327  
<211> 48  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1327

Trp	Glu	Lys	Phe	Ile	Gly	Xaa	Lys	Arg	Gln	Thr	Tyr	Glu	Pro	Gly	Asp
1				5				10					15		
Thr	Gly	Cys	Ser	Gln	Asn	Xaa	Ile	Leu	Val	Ser	Leu	Leu	Ile	Leu	Ala
			20					25					30		
Xaa	Glu	Pro	Pro	Xaa	Xaa	Pro	Trp	Leu	Ile	Tyr	Xaa	Leu	Val	Pro	Xaa
		35					40					45			

<210> 1328

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (69)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1328

Leu	Asp	Gln	Lys	Lys	Ser	Xaa	Leu	Phe	Asp	Leu	Xaa	Arg	Xaa	Asn	Leu
1				5					10					15	

Pro	Xaa	Leu	Tyr	Thr	His	Val	Cys	Val	Ser	Leu	Lys	Arg	Xaa	Val	Arg
		20					25						30		

Leu	Xaa	Lys	Ile	Leu	Ile	Val	Ile	Asn	His	Val	Xaa	Thr	Ser	Cys	Asn
		35				40						45			

Glu	Leu	His	Asp	Leu	Ile	Leu	Ser	Leu	Leu	Ala	Xaa	Thr	Thr	Xaa	Tyr
	50					55					60				

Phe	Ser	Asn	Xaa	Xaa	Ile	Ser	Pro
65						70	

&lt;210&gt; 1329

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE



<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1329

Thr	Ile	Xaa	Cys	Glu	Leu	Leu	Lys	Trp	Ile	Ile	Gly	His	Gly	Leu	Xaa
1					5				10					15	

Ala Ala Xaa

<210> 1330

<211> 80

<212> PRT

<213> Homo sapiens

<220>

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<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (41)

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (68)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (74)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1330  
 Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Asn Asn Phe Ala Arg  
   1                  5                  10                  15  
 Arg Ala Lys Ala Lys Thr Pro Glu Xaa Arg Xaa Ala Thr Leu Glu Gln  
           20                  25                  30  
 Leu Lys Glu His Thr Arg Leu Cys Xaa Lys Ile Val Gly Xaa Ile Tyr  
       35                  40                  45  
 Xaa Leu Lys Arg Gln Thr Tyr Arg Pro Gly Asp Thr Gly Xaa Pro Xaa  
       50                  55                  60  
 Xaa Ile Leu Xaa His Phe Asn Leu Pro Xaa Asn Leu Leu Ile Pro Cys  
       65                  70                  75                  80

<210> 1331  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1331

Ile	Ile	Asn	Asn	Asn	Lys	Asn	Lys	Ala	Asn	Thr	Leu	Asp	Ile	Thr	Leu
1				5					10					15	

Pro	Ser	Gly	Ala	Xaa	Lys	Lys	Val	Lys	Ala	Gly	Ile	Ser	Phe	Ser	Tyr
			20						25					30	

Leu	Asn	Leu	Ser	Val	Leu	Ser	Gln	Gly	Ile	Phe	Ser	Glu	Asn	Arg	Trp
		35						40						45	

Asn	Xaa	Val	Arg	Leu	Trp	Xaa	Met	Leu	Ser	Ile	Ile	Gly
	50						55					60

&lt;210&gt; 1332

&lt;211&gt; 97

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1332

Lys Val Xaa Gly Leu Xaa Ser Pro Gly Pro Glu Ile Pro Gly Ser Thr  
1 5 10 15

Xaa Thr Val Arg Ile Asn Thr Val Xaa Pro Leu Ile Tyr Leu Leu Leu  
20 25 30

Ser Pro Ile Xaa Asn Thr His Ala Ala Xaa Leu Ser Val Asp Gly Gly  
35 40 45

Tyr His Leu Asp Pro Leu Leu Leu Leu Glu Xaa Pro Xaa Xaa Leu Trp  
50 55 60

Ala Leu Xaa Arg Lys Ser Arg Ile Ile Trp Lys Thr Leu Xaa Phe Ser  
65 70 75 80

Ser Arg Leu Tyr Gln Lys Ile Pro Lys Thr Asp Xaa Ala Val Xaa Xaa  
85 90 95

Gln

<210> 1333

<211> 94

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1333

Xaa Phe Leu Pro Pro Ser Ala Arg Pro Arg Ala Gly Arg Arg Xaa Pro  
1 5 10 15

Leu Arg Gly Gln Cys Gln Val Gly Ser Leu Thr Gly Ala Val His Leu  
20 25 30

Ser Asn Gly Asn Ala Xaa Val Leu Arg Xaa Ala Gln Gly Gly Gln Lys  
35 40 45

Pro Pro Val Glu Xaa Lys Gly Lys Ser Ser Leu Asp Leu Asp Phe Gln  
50 55 60

Tyr Glu Tyr Lys Thr Val Lys Ala Gly Pro His Asp Pro Ser Asp Leu  
65 70 75 80

Leu Gly Phe Lys Gln Glu Val Xaa Glu Lys Leu Pro Gln Gly  
85 90

<210> 1334

<211> 55

<212> PRT

<213> Homo sapiens

<220>

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<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1334

Thr	Cys	Gly	Pro	Pro	Val	Lys	Tyr	His	Xaa	Ser	Asp	Arg	Phe	Phe	Thr
1				5					10					15	

Asp	Pro	Val	Arg	Arg	Gly	Gly	Glu	Pro	Arg	Gly	Ala	Leu	Ala	Ser	Gly
		20						25					30		

Ala	Lys	Arg	Pro	Ala	Ala	Arg	Arg	Pro	Gly	Ala	Thr	Arg	Ser	Gly	Asp
		35					40					45			

Xaa	Ala	Arg	Xaa	Gly	Xaa	Xaa
	50				55	

<210> 1335

<211> 143

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (127)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (128)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1335

Xaa Thr Ile Val Leu Xaa Xaa Thr Pro Ala Gly Thr Gly Pro Glu Phe  
 1 5 10 15

Pro Gly Arg Pro Thr Arg Pro Pro Ile Phe Pro Val Asp Asn Ala Ile  
 20 25 30

Asp Asn Gly Xaa Glu Xaa Gln Val Ala Leu Pro Ile Leu Met Ala Ala  
 35 40 45

Tyr Ala Met Ala Glu Ala Phe Met Ser Thr Gly Val Gly Ala Ser Leu  
 50 55 60

Ile Leu Ile Ala Leu Lys Val Gly Ile Thr Ala Lys Thr Val Ala Val  
 65 70 75 80

Ile Gly Ala Ile Val Thr Ser Ile Leu Ser Ile Ala Thr Gly Thr Ser  
 85 90 95

Trp Gly Thr Phe Ala Ala Cys Ala Pro Ile Phe Leu Trp Leu Asn His  
 100 105 110

Ile Val Gly Gly Asn Ile Leu Phe Asp Asn Lys Gln Leu Leu Xaa Xaa  
 115 120 125

Glu His Val Leu Glu Asp Asn Ile Gly Leu Phe Gln Ile Leu Gln  
 130 135 140

&lt;210&gt; 1336

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens



<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1336  
Xaa Ala Leu Gly Leu Ala Leu Pro Gly Arg Leu Leu Xaa Ser His Ser  
1 5 10 15  
Arg Arg Thr Pro Ser Arg Glu Ser Arg Xaa Pro Pro Ala Pro Leu Tyr  
20 25 30  
Ser Ala Arg Ala Gln His Gly Ala Pro Ala Gly Xaa His Val Arg Ala  
35 40 45  
Ser Asp Cys Arg Gly Asp Xaa Asp Phe Xaa Arg Ser Ser Gly Arg Met  
50 55 60

Glu  
65

<210> 1337  
<211> 42  
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1337

Thr	Xaa	Ala	His	Ser	Val	Xaa	Xaa	Pro	His	Ser	Xaa	Gly	His	Cys	Gly
1					5			10						15	

Gln	Arg	Val	Leu	Ala	Cys	Xaa	Leu	Leu	Ser	Ile	Leu	Lys	Ala	Met	Asp
			20					25					30		

Phe	Xaa	Gly	Pro	Phe	Ser	Ser	Xaa	Leu	Pro
		35						40	

<210> 1338

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1338

Phe	Asn	Lys	Leu	Ser	Ser	Ala	Leu	Ser	Glu	Phe	Ser	Gly	Pro	Asn	Ile
1				5					10					15	

Tyr	Val	Glu	Lys	Asp	Gly	Gly	Val	Xaa	His	Leu	Cys	Thr	Asp	His	Leu
			20					25					30		

Tyr	Val	Arg
		35

<210> 1339

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1339

Asp Ile Glu Ala Lys Pro Ser His Tyr Gln Leu Val Ser Gly Ser Ser  
 1 5 10 15

Thr Glu Asp Ser Leu His Val His Ala Gln Met Ala Glu Asn Glu Xaa  
 20 25 30

Xaa Gly Ser Gly Gly Gly Gly Ser Glu Glu Asp Pro Pro Cys Xaa His  
 35 40 45

Gln Ser Cys Glu Gln Lys Asp Cys Leu Ala Xaa Lys Pro Trp Asp Ile  
 50 55 60

Ser Leu Ala Xaa Pro Glu Ser Ile Arg Ser Asp Leu Glu Ser Ser  
 65 70 75

<210> 1340

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1340

Gly Lys Gly Thr Phe Pro Lys Asn Xaa Phe Trp Gly Asn Lys Asn Val  
 1 5 10 15

Asp Cys Glu Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
                   20                  25                  30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
           35                  40                  45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Pro Phe  
           50                  55                  60

Xaa Lys Xaa Lys Xaa  
       65

<210> 1341

<211> 70

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1341

Xaa Trp Ser Xaa Leu Ala Ala Gln Lys Glu Gln Ser Gly Leu Glu Gly  
       1                  5                  10                  15

Ser Ile Lys Phe Tyr Thr His Lys Leu Gln Leu Glu Val Ser Phe Leu  
           20                  25                  30

Lys Cys Pro Ala Phe Ala Gln Leu Phe Gln Ile Ile Ser Phe Leu Arg  
           35                  40                  45

Leu Trp Gln Val Ser Cys Pro Pro Ser Tyr Ser Ser Val Phe Thr Xaa  
       50                  55                  60

Ser Arg Gln Xaa Ser Gly  
65 70

<210> 1342

<211> 121

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1342

Glu Pro Asp Pro Asn Ser Glu Asn Ile Ala Ala Ile Ser Gln Ser Ser  
1 5 10 15

Val Gly Ser Asp Leu Phe Val Phe Lys Pro Ser Glu Pro Arg Pro Leu  
20 25 30

Tyr Ile Gln Lys Gly Ile Ser Arg Glu Lys Val Gln Trp Gly Val Phe  
35 40 45

Val Pro Arg Asp Val Pro Glu Ser Phe Thr Ser Glu Ala Tyr Gln Trp  
50 55 60

Leu Asn Arg Ser Gln Phe Tyr Phe Leu Thr Lys Ser Gln Ser Leu Leu  
65 70 75 80

Thr Phe Ser Thr Lys Ser Pro Glu Glu Lys Leu Thr Pro Thr Xaa Gln  
85 90 95

Thr Ala Ala Ser Arg Arg Lys Ser Ser His Asn Pro Ile Leu Phe His  
100 105 110

Ile Gly Lys Thr Gln Ala Thr Ala Gly  
115 120

<210> 1343

<211> 36

<212> PRT

<213> Homo sapiens

<400> 1343

Asn Thr Lys Gly Asp Arg Glu Glu Leu Lys Asp Leu Gln Tyr Cys Thr  
1 5 10 15

Gln Lys Leu Ile Ile Leu Cys Thr Phe Tyr Leu Phe Trp Arg Phe Tyr  
                   20                  25                  30

Met Ile Phe Asn  
                   35

<210> 1344  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1344  
 Ala Val Ala Val Ser Gly Pro Gly Pro Val Gly Val Leu Leu Xaa Leu  
       1                  5                  10                  15

Trp Leu Thr Pro Xaa Pro Gly Thr Leu Asn Asp Arg Ser Arg Xaa Xaa  
                   20                  25                  30

<210> 1345  
 <211> 63  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (54)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (61)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1345  
 His Leu Val Lys Ala Gly Arg Lys Ile Asn Asn Thr Lys Leu Cys Tyr  
     1                    5                    10                    15  
 Leu Ile Xaa Leu Leu Glu Arg Val Arg Phe Thr Xaa Tyr Ile Phe Lys  
                     20                    25                    30  
 Leu Ile His Val Lys Asn Asp Ser Asp Phe Asp Val Ile Xaa Leu Leu  
             35                    40                    45  
 Ile Glu Ser Xaa Ile Xaa Lys Ala Asn Asn Leu Lys Xaa Ala Ile  
     50                    55                    60

<210> 1346  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<220>



<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1346  
Ala Gly Ala Asp Arg Gly Gly Gly Gly Trp Xaa Arg Leu Gly Xaa Ile  
1 5 10 15

Asn Leu Leu Ile Asp Cys Asp Ser Lys Lys Lys Lys Lys Lys Lys Lys  
20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
35 40 45

Lys Xaa Lys Xaa Lys Lys Lys Lys Xaa Lys Lys Lys Lys Lys Xaa Xaa  
50 55 60

<210> 1347  
<211> 45  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1347  
Phe Leu Ile Met Ser Asn Asp Cys Lys Ser Ala Trp Ile Phe Thr Cys  
1 5 10 15  
Lys Gly Tyr Ser Cys Ile Val Arg Ser Pro Ser Pro Ala Glu Ser Ser  
20 25 30  
Xaa His Trp Leu Ala Val Cys Cys Val Xaa His Ser Phe  
35 40 45

<210> 1348  
<211> 59  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1348  
Gly Phe Leu Val Leu Met Leu Val Lys Val Cys Ala Gly Ile Ser Lys  
1 5 10 15  
Ser Leu Lys Lys Val Phe Thr Gly His Trp Ala Val Val Arg Glu Gly  
20 25 30  
Leu Thr Asn Pro Trp Ile Pro Asp Asn Trp Ser Trp Gly Gly Val Ala  
35 40 45  
Ser Glu His Cys Xaa Cys Tyr Arg Val Leu His  
50 55

<210> 1349  
<211> 63  
<212> PRT  
<213> Homo sapiens

<400> 1349  
Phe Cys Pro Cys Val Arg Gln Ser Glu Gln Arg Val Ile Gln Ser Ala  
1 5 10 15  
Ala Asn Lys Ala Ala Asp Ser Ser Val Gln Lys Ala Lys Lys Glu Leu  
20 25 30  
Tyr Val Arg His Leu Phe Leu Leu Ile Ser Ile Phe Leu Leu Thr His  
35 40 45  
Thr Leu Ser His Val Lys Arg Lys Ile Asn Lys Trp Ser Glu Leu  
50 55 60

<210> 1350  
<211> 38  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1350  
Tyr Ile Tyr Tyr Arg Pro Asn Glu Leu Asn Ile Ala Leu Leu Tyr Ser  
1 5 10 15  
Pro Lys Gly Leu Asn Ser Cys Phe Phe Pro Ser Phe Ile Xaa Arg Lys  
20 25 30  
His Tyr Asp Arg Ile Ser  
35

<210> 1351  
<211> 77  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1351

Leu Leu Pro Glu Asp Gln Val Gln Leu Gln Pro Xaa Gly Arg Trp Leu  
1 5 10 15

Pro Thr Ser Ser Pro Gly Leu Ser Ser Ser Pro Ser Ser Pro Val Ile  
20 25 30

Leu Cys Cys Leu Asp Ser Thr Ile Pro Ser Leu Phe Leu Leu His Leu  
35 40 45

Leu Pro Leu Glu Pro Pro Leu Pro Ser Trp Asp Phe Trp Glu Val Pro  
50 55 60

Ala Xaa Gln Pro Arg His Lys Thr Ile Met Val Thr Trp  
65 70 75

<210> 1352

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1352

Xaa Leu Leu Arg Asp Xaa Met Gly His Tyr Val Trp Leu Phe Tyr Ile  
1 5 10 15

Lys Pro Thr Thr Xaa Phe Arg Val Gly Xaa Met Asn  
20 25

&lt;210&gt; 1353

&lt;211&gt; 79

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1353

Pro Arg Leu Gln Thr Leu Asn Leu Val Leu Xaa Ser Ala Asp Asn Gly  
1 5 10 15

Xaa Xaa Pro Arg Leu Tyr Asn Arg Arg Ser Ala Lys Asp Xaa Gly Val  
20 25 30

Leu Gly Gly Xaa Leu Val Phe Pro Lys Val Phe Gln Ile Lys Val Val  
35 40 45

Phe Val Leu Lys Lys Lys Lys Lys Lys Lys Leu Gly Gly Xaa Phe Leu  
50 55 60

Gly Gly Ala Arg Gly Xaa His Gly Phe Xaa Gln Xaa Gly Xaa Gly  
65 70 75

<210> 1354

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1354  
Gly Asp Pro Ala Gln Phe Pro Gly Arg Pro Arg Val Arg Thr Ile Gly  
1 5 10 15  
Arg Arg Ser Phe Xaa Xaa Trp Xaa Asn Ser His Phe Pro His Glu Glu  
20 25 30  
Xaa Lys Xaa Gly Gln Lys Pro Asn  
35 40

<210> 1355  
<211> 40  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1355  
Asp Ile Asn Gly Asp Phe Lys Val Glu Ile Asn Met Tyr Ser Met Phe  
1 5 10 15  
Leu Lys Lys Lys Lys Lys Lys Lys Xaa Pro Gly Gly Ala Pro Val Pro  
20 25 30  
Ile Xaa Pro Xaa Gly Gly Pro Phe  
35 40

<210> 1356  
<211> 81  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1356  
Pro Gly Glu Ala Gly Gly Arg Ala Pro Arg Gly Ser Arg Phe Trp Arg  
1 5 10 15  
Gln Xaa Pro Gly Arg Ala Pro Ala Gly Arg Asp Pro Leu Arg Gly Gln  
20 25 30  
Cys Gln Val Gly Ser Leu Thr Gly Ala Val His Leu Ser Asn Gly Asn  
35 40 45  
Ala Gly Val Leu Arg Arg Ala Gln Gly Gly Gln Lys Pro Pro Val Glu  
50 55 60  
Gln Lys Gly Lys Ser Ser Leu Asp Leu Asp Phe Gln Tyr Glu Tyr Arg  
65 70 75 80

Pro

<210> 1357  
<211> 73  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1357  
Thr Pro Leu Ser Gln Asn Pro Ala Gln Ala Glu Arg Tyr Gly Ser Ala



1 5 10 15  
Ala Glu Pro Arg Leu Ala Ser Asp Ser Arg Ser Pro Ala Cys Pro Arg  
20 25 30  
Arg Arg Ala Ala Pro Xaa Ser Thr Arg Xaa Ala Arg Ala Gly Gly Arg  
35 40 45  
Val Pro Arg Arg Ala Pro Gly Pro Gly Ser Gly Ala Glu Cys Pro Ser  
50 55 60  
Ser Trp Glu Thr Gly Arg Gly Arg Lys  
65 70

<210> 1358

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1358

Gly Xaa Arg Pro Arg Xaa Trp Ile Arg Thr Ser Arg Trp Cys Ser Arg  
1 5 10 15

Tyr Lys Xaa Phe Val Cys Ser Thr Ile Lys Val Leu Arg Asp Leu Asn  
20 25 30

Ser Xaa Arg Ser Asn Pro Gly Arg Phe Leu Ser Thr Ser Asn Ser Ser  
35 40 45

Leu Tyr Xaa Arg Thr Xaa Arg Tyr Lys Ala Tyr Phe Ser Xaa Arg Leu  
50 55 60

Pro Pro  
65

&lt;210&gt; 1359

&lt;211&gt; 73

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (73)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1359

Arg Pro Lys Trp Arg Arg Val Pro Cys Glu Gln Gln Leu Asn Met Gly  
1 5 10 15

Gln Ser Val Leu Arg Asp Gly Arg Ala Pro Phe Arg Arg Asp Gly Arg  
20 25 30

Trp Pro Pro Leu Pro Ser Ala Asp Arg Lys Gly Val Gly Phe Arg Ser

35                                      40                                      45  
 Pro Asn Pro Glu Trp Arg Arg Trp Arg Arg Glu Ala Ser Xaa Arg Xaa  
     50                                      55                                      60  
 Arg Asp Arg Ser Arg Arg Ser Pro Xaa  
     65                                      70

&lt;210&gt; 1360

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1360

Thr Arg Pro Val Asn Asn Lys Lys Gly Val Ile Arg Ile Gly Met Trp  
     1                                      5                                      10                                      15

Ile Phe Thr Val Xaa Thr Thr His Leu Gln Phe Cys Asn Ala Arg Met  
             20                                      25                                      30

Gln Phe Lys Asn Val Lys  
             35

&lt;210&gt; 1361

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1361

Arg Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala  
     1                                      5                                      10                                      15

Ser Ala Asp Ala Trp Gly Leu Leu Arg Asn Ile Ala Glu Val Ile Thr  
             20                                      25                                      30

Thr Ala Ile Lys Leu Phe Lys Lys Asp Leu Tyr Asn Val Tyr Lys Ser  
             35                                      40                                      45

Gly Ile Lys Asp Phe Ser  
             50

<210> 1362  
<211> 139  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (62)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (69)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (111)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (112)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (124)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (138)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1362  
Ser Phe Asp Val Gly Ser Ser Tyr His Cys Glu Ala Glu Phe Thr Lys  
1 5 10 15

Arg Trp Ile Val His Pro His Glu Pro Cys Ala Phe Gly Val Asn Asn

20 25 30  
Val Gln Phe Val Asp Val Ile Glu Ser Arg Gly Leu Ser Pro Phe Tyr  
35 40 45  
Ile Cys Ile Asn Phe Asn Leu Leu Lys Xaa Lys Lys Glu Xaa Glu Lys  
50 55 60  
Gln Phe Ile Lys Xaa Xaa Lys Ser Asn Gln Pro Gln Gln Gln Lys Arg  
65 70 75 80  
Met Val Trp Tyr Trp Arg Arg Asp Gly Gln Leu Ser Leu Leu Ala His  
85 90 95  
Asp Gly Met Asp Leu Gly Pro Gly Thr Thr Phe Ile Leu Arg Xaa Xaa  
100 105 110  
Leu Trp Ile Pro Arg Glu Gly Gln Pro Phe Arg Xaa Gly Leu Tyr Pro  
115 120 125  
Glu Gly Gly Thr Glu Phe Gly Gln Thr Xaa His  
130 135

&lt;210&gt; 1363

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1363

Ala Phe Arg Lys Tyr Tyr Val Lys Asn Leu Xaa Ser Leu His Ala Arg  
1 5 10 15

His Ser Phe Asn His Phe Ser Asp His Phe Ser Lys Ile Leu Lys His  
20 25 30

Pro His Leu Gly Phe Ser Leu Asn Leu Gly Val Pro Ser Pro His Pro  
35 40 45

Ala Ala Phe Cys Val Arg Gly Xaa Arg Ser

50

55

<210> 1364  
<211> 21  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1364  
Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Xaa  
1 5 10 15

Arg Xaa Xaa Glu Asn  
20

<210> 1365  
<211> 69  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1365

Tyr	Thr	Ala	Ile	Met	Ser	Ile	Met	Ser	Tyr	Asn	Xaa	Gly	Ala	Val	Met
1				5					10					15	

Ala	Met	Lys	Gly	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	His	Arg	Cys	Arg	Xaa	Ala
			20					25						30	

Leu	Xaa	Glu	Ser	Arg	Pro	Arg	Met	Val	Asn	His	Gly	Thr	Xaa	Arg	Lys
		35					40						45		

Ile	Phe	Xaa	His	Gly	Xaa	Asn	Arg	Leu	Xaa	Met	Gly	Leu	Gly	Arg	Xaa
	50					55						60			

Xaa	Gln	Leu	Arg	Xaa
				65

<210> 1366

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE



<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1366

Leu	Ala	Ile	Leu	Arg	Leu	Phe	Lys	Val	Phe	Ser	Asn	Ile	Lys	Lys	Tyr
1				5				10						15	

His	Gln	Arg	Ser	Pro	Ala	Met	Leu	Lys	Thr	Asn	Asn	Xaa	Lys	Gln	Thr
			20					25					30		

Xaa	Xaa	Lys	Asn	Leu	Lys	Lys	Lys	Xaa	Gly
		35					40		

<210> 1367

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1367

Ser	Thr	Leu	Ser	Asn	Arg	Leu	Val	Trp	Val	His	Trp	His	Ser	Leu	Xaa
1				5				10					15		

Tyr	Cys	Leu	Ile	Ala	Asp	Thr	Xaa
			20				

<210> 1368

<211> 79

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1368

Xaa	His	Xaa	Trp	Lys	Leu	Ile	Leu	Xaa	Leu	Xaa	Leu	Gly	Tyr	Phe	Xaa
1					5				10					15	

Phe	Gly	Gly	Glu	Ser	Ala	Xaa	Phe	Phe	Arg	Arg	Gly	Pro	Gly	Phe	Phe
			20						25					30	

Lys Gly Lys Lys His Ser Tyr Ser Lys Leu Gln Asn Asn Gly Val Asn

35

40

45

Met Leu Asn Arg Ser Ile Arg Lys Pro Asn Thr Gly Leu Ser Arg Arg  
50 55 60

Xaa Leu Val Xaa Arg Ala Leu Gly Lys Asn Lys Gly Lys Xaa Lys  
65 70 75

&lt;210&gt; 1369

&lt;211&gt; 76

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1369

Asn Gln Arg Gln Leu Ser Cys Cys Val Ser Ser Cys Trp Ile Leu Ser  
1 5 10 15

Leu Gly Pro Thr Val Cys Gln Tyr Ser Cys Glu Leu Tyr Val Pro Pro  
20 25 30

Val Leu His Thr Gln Val Cys Val Ser Val Tyr Ala Cys Phe Lys Gln  
35 40 45

Thr Leu Asn Val His Met Tyr Ile Ile Tyr Thr Tyr Leu Tyr His Ile  
50 55 60

Ser Ser Phe Ile Thr Ile Asp Tyr Thr Asn Trp Xaa  
65 70 75

&lt;210&gt; 1370

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1370

Ala	Arg	Ala	Tyr	Leu	Leu	Val	Ala	Ser	Asn	Leu	Thr	Pro	Ser	Leu	Ser
1				5					10					15	

Glu	Tyr	Val	Gln	Pro	Lys	Arg	Thr	Asn	Trp	Leu	Leu	Cys	Thr	Ser	Leu
		20						25					30		

Xaa	Ile	Xaa	Leu	Leu	Ser	Met	Val	Leu	Arg	Ser	Xaa	Thr	Val	Tyr	Leu
		35						40					45		

Xaa	Leu
	50

<210> 1371

<211> 76

<212> PRT

<213> Homo sapiens

<220>

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<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1371

Glu Lys Thr Phe Val Glu Arg Val Lys Asn Leu Thr Pro His Ser Arg  
1 5 10 15

Pro Lys Ser Xaa His Gln Leu Lys Lys Ala Phe Lys Leu Gln His Pro  
20 25 30

Leu Pro Lys Lys Phe Gln Thr Tyr Asn Trp Asn Phe Leu Xaa Pro Asn  
35 40 45

Trp Asp Gln Phe Xaa Thr Pro Ile Arg Lys Lys Leu Met Val Ser Xaa  
50 55 60

Xaa Val Thr Xaa Glu Lys His Phe Ser Phe Arg Xaa  
65 70 75

&lt;210&gt; 1372

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1372

Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser  
1 5 10 15

Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu  
20 25 30

Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu  
35 40 45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr  
50 55

<210> 1373  
<211> 52  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1373  
Ser Leu Asp Leu Ile Cys Pro Tyr Glu Arg Pro Gly Lys Asn Arg Leu  
1 5 10 15

Xaa Ala Pro Xaa Leu Val Glu Leu Cys Pro Ser Ser Asp Ala Cys Gln  
20 25 30

Glu Arg Val Glu Pro Arg Thr Leu Thr Lys Gly Gly Pro Gly Tyr Pro  
35 40 45

Ile Ala Ala Leu  
50

<210> 1374  
<211> 114  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (93)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1374

Ala Arg Ala Glu Asp Pro His Ile Asp Glu Ser Lys Ala Xaa His Gln  
1 5 10 15

Ala Ile Ile Met Ser Thr Ser Leu Arg Val Ser Pro Ser Ile His Gly  
20 25 30

Tyr His Phe Asp Thr Ala Ser Arg Lys Lys Ala Val Gly Asn Ile Phe  
35 40 45

Glu Asn Thr Asp Gln Glu Ser Leu Glu Arg Leu Phe Arg Asn Ser Gly  
50 55 60

Asp Lys Lys Ala Glu Glu Arg Ala Lys Ile Ile Phe Ala Ile Asp Gln  
65 70 75 80

Asp Val Glu Glu Lys Thr Arg Ala Leu Met Ala Leu Xaa Glu Glu Asp  
85 90 95

Lys Arg Gln Ala Phe Pro Phe Leu Lys Leu Arg Xaa Phe Ser Phe Lys  
100 105 110

Xaa His

<210> 1375

<211> 105

<212> PRT

<213> Homo sapiens

<220>

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<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (87)

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<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1375

Ala Arg Gln Asp Thr Gln Glu Glu Arg Ala Ala Pro Gly Ser Arg Pro  
1 5 10 15

Gly Leu His Ala Glu Ala Gly Gly Arg Arg Cys Pro Ala Glu Ser Pro  
20 25 30

Glu Leu Arg Arg Pro Ala Leu Val Pro Ala Pro Ser Gly Arg Arg Phe  
35 40 45

Glu Ser Asp Trp Cys Leu Ala Ala Ser Ser Ser Val Arg Asp His Glu  
50 55 60

Val Leu Pro Ser Val Val Leu Lys Leu Phe Leu Xaa Ser Phe Ser Ser  
65 70 75 80

Ala Leu Val Thr Gly Glu Xaa Pro Gly Asn Gly Phe Arg Xaa Arg Leu  
85 90 95

Thr Ala Gly Asn Lys Xaa Thr Gly Thr  
100 105

<210> 1376

<211> 25

<212> PRT

<213> Homo sapiens

<220>

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<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids



&lt;400&gt; 1376

Arg Pro Thr Arg Pro Pro Thr Arg Pro Val Xaa Ser Ile Pro Xaa Leu  
1 5 10 15

Trp Ala Ala Xaa Val Ser Pro Pro Lys  
20 25

&lt;210&gt; 1377

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1377

Phe Thr Xaa Asn Ser Leu Tyr Phe Ser Cys Ile Lys Thr Leu Cys Cys  
1 5 10 15

Ser His Ser Trp Ser Xaa Ser Pro Leu His Gly Asp Cys Gly Val Gly  
20 25 30

Leu Asp Glu Val Gly Gln  
35

&lt;210&gt; 1378

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (30)

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<220>

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<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1378

Phe	Xaa	Lys	Arg	Gly	Pro	Ser	Ser	Pro	Val	Ala	Xaa	Val	Leu	Glu	Leu
1				5				10					15		

Leu	Asp	Pro	Pro	Gly	Cys	Xaa	Asn	Ser	Ala	Arg	Glu	Gly	Xaa	Val	Gly
		20						25					30		

Arg	Ala	Arg	Arg	Phe	Pro	Ala	Xaa	Val	Ser	Ala	Arg	Xaa	Xaa
		35					40					45	

<210> 1379

<211> 34

<212> PRT

<213> Homo sapiens

<220>

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1379

Leu	Leu	Lys	Xaa	Thr	Xaa	Ser	Cys	Ser	Tyr	Pro	Pro	Leu	Xaa	Ala	Glu
1				5					10					15	

Pro	Cys	Leu	Ile	Gln	Gln	Pro	Gly	Gly	Thr	Thr	Arg	Xaa	Pro	Ser	Leu
			20					25						30	

Thr Leu

<210> 1380

<211> 26

<212> PRT

<213> Homo sapiens

<220>

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<222> (15)

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<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1380

His Arg His Ala His Lys Glu Arg Leu Lys Lys Lys Lys Lys Xaa Ser

1 5 10 15

Arg Gly Xaa Pro Xaa Thr Lys Xaa Ala Pro  
20 25

<210> 1381

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1381

Asp Ala Glu Gly Arg Pro Glu Gly Arg Leu Phe Gly Met Thr Gly Ala  
1 5 10 15

Gly Leu Gly Arg Asp Ser Gly Arg Trp Arg Glu Val Ser Phe Phe Gly  
20 25 30

Glu Thr Glu Arg Ala Arg Gly Gly Thr Val Gly Xaa Arg Xaa His Ser  
35 40 45

Val Ala Ala Ala Gly Val Arg Asp Ser Pro Pro Ile Ser Cys Ser Leu  
50 55 60

Gly Pro Trp Gly Arg Ser Gly His Arg Ser Asp Cys His Ala Asp Gly  
65 70 75 80

Asp His Arg Arg Glu Leu Gly Gly Arg Lys Ala Pro Pro Pro Ala Gly  
85 90 95

Arg Gly Pro Leu Thr Thr Ser Arg Leu Pro Val Pro Leu Leu Lys Ser  
100 105 110

Asn Cys Cys Pro Phe Glu Ala Xaa  
115 120

<210> 1382  
 <211> 50  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1382  
 Phe Lys Cys Ser Ile Leu Met Pro Xaa Asn Lys Ser Phe Gly Asn Thr  
     1                    5                    10                    15  
 Asn Trp Ser Ile Ile Gly Asn Ala Gly Met Phe Arg Leu Ser Gln Gln  
                     20                    25                    30  
 Cys Phe Ala Phe Leu Cys Leu Phe Ser Val Asn Thr Asn Glu Val Asn  
             35                    40                    45  
 Ile Ala  
       50

<210> 1383  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens

<400> 1383  
 Gln Ser Ala Ala Leu Pro Pro Val Thr Leu Ala Leu Leu Cys Leu Asp  
     1                    5                    10                    15  
 Gly Val Phe Leu Ser Ser Ala Glu Asn Asp Phe Val His Arg Ile Gln  
             20                    25                    30  
 Glu Val Glu Glu Asp Gly Pro Ser Ser Cys Ser Glu Asp Asp Tyr Ser  
             35                    40                    45  
 Glu Leu Leu Gln Glu Ile Thr Asp Asn Leu Thr Arg Lys Glu Ile Gln  
             50                    55                    60  
 Ile Glu Lys Ile His Leu Asp Thr Ser Ser Phe Met Glu Glu Leu Pro  
     65                    70                    75                    80  
 Gly Glu Lys Asp Leu Ala His Val Val Glu Ile Leu  
                     85                    90

<210> 1384  
<211> 106  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (56)  
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<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (96)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (105)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1384  
Asn Pro Ser Ala His Pro Ser Ile His Pro Ser Val Arg Pro Ser Met  
1 5 10 15  
Ser Pro Val Asp Arg Pro Ala Pro Leu Ala Gly Trp Val His Pro Pro  
20 25 30  
Ser Thr Trp Leu Thr Cys His Gly Arg Leu Cys Pro Ala Ser Asn Pro  
35 40 45  
Ile Leu Asn Ser Pro Lys Ala Xaa Gly Ala Val Gln Thr Gly Val Pro  
50 55 60  
Ser Ile Phe Ser Pro Thr Gly Val Phe Pro His Ala Val Xaa Tyr Asn  
65 70 75 80  
Pro His Ser Phe Leu Gly Pro Met Asn Phe Arg Ala Val Pro Phe Xaa  
85 90 95

Pro Gly His Leu Leu Cys Xaa Leu Xaa Lys  
100 105

<210> 1385  
<211> 66  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<220>  
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<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1385  
Ile Gln Gly Leu Xaa Xaa Xaa Gly Ser Ser Leu Pro Ser Pro Ser Thr  
1 5 10 15  
Arg Xaa Ser Leu Thr Xaa Ala Thr Gly Xaa Leu Xaa Arg Gly Phe Arg  
20 25 30  
Ser Leu Xaa Gly Trp Val Pro Gly Asn Gly Xaa Arg Ser Xaa Leu Gly  
35 40 45  
Ala Pro Xaa Gly Cys Pro Met Gly Xaa Leu Xaa Xaa Phe Arg Gly Xaa  
50 55 60  
Trp Gly  
65



<210> 1386  
<211> 48  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1386  
Lys Ile Ser Ser Xaa Trp Ala Glu Lys Leu Thr Gly Xaa Tyr Xaa Val  
1 5 10 15  
Thr Asn Arg Ile Gln Val Gly Trp Pro Leu Cys Thr Glu Leu Gln Val  
20 25 30  
Thr Ser Gly Glu Thr Trp Ala Xaa Thr Trp Lys Ala Lys Thr Glu Ala  
35 40 45

<210> 1387  
<211> 37  
<212> PRT  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
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<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1387  
Ala Ile Tyr Arg Ile Val Trp Ala Phe Ser Cys Lys Trp Ser Glu Gly  
1 5 10 15  
Val Thr Phe Ser Pro Leu Xaa Xaa Xaa Val Xaa Pro Ile Leu Asn Lys  
20 25 30  
Gly Arg Xaa Glu Thr  
35

<210> 1388  
<211> 41  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1388

Gly Xaa Ala Arg Lys Xaa Asp Ala Arg Ile Xaa Lys Ala Trp Val Arg  
1 5 10 15

Arg Ala Gly Thr Gly Ser Gly Asn Ser Arg Gly Arg Pro Thr Arg Ser  
20 25 30

Gly Ile Met Glu Tyr Asn Met Ser Ser  
35 40

<210> 1389

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

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<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1389

Xaa	Cys	Leu	Xaa	Phe	Xaa	Cys	Arg	Ser	Leu	Leu	Val	Xaa	Ser	Gly	Xaa
1				5					10					15	

Thr	Arg	Arg	His	Val	Ser	Pro	Pro	Xaa	Ser	Ser	Pro	Ile	Phe	Arg	Val
			20					25					30		

Xaa	Pro	Leu	Leu	Asn	Xaa	Gln	Arg	Pro
		35					40	

<210> 1390

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1390

Gly	Leu	Cys	Thr	Phe	Gly	Ser	Phe	Tyr	Xaa	Lys	Leu	Lys	Cys	Tyr	Tyr
1				5					10					15	

Leu	Gly	Leu	Tyr	Leu	Ala	Ser	Ala	Phe	Ser	Phe	Asn	Cys	Lys	Val	Glu
			20					25					30		

Ala	Ile	Lys	Gln	Tyr	Phe	Ser
			35			

<210> 1391

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1391

Lys Ala Arg Val Tyr Pro Met Lys Xaa Ala Gly Ser Gln Leu Pro Pro  
1 5 10 15

Gln Pro Phe Lys Arg Lys His Leu Leu His Arg Ala Val Leu Gly Val  
20 25 30

Lys Arg Leu Leu Thr Tyr Asp Arg Val Arg Lys Ser His Ile Leu Val  
35 40 45

Asn Xaa Pro Phe Gly Leu Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly  
50 55 60

Pro Gly Tyr Pro Ile Xaa Pro  
65 70

&lt;210&gt; 1392

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1392

Arg Arg Ile Thr Phe Trp Gly Ser His Ala Glu Gly Gly Ser Val Thr  
1 5 10 15

Leu Pro Glu Lys Arg Val Ser Tyr Pro Xaa Ser Pro Gly Ser Thr Leu  
20 25 30

Lys Lys Asp Leu Ala Thr Glu Gly Ala Leu Gly Leu Pro Xaa Ser Leu  
                   35                                  40                                  45

Asp Ser Ser Tyr Lys Cys Pro Cys Ser Gln  
           50                                  55

<210> 1393  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1393  
 Gly Arg Ala Xaa Ala Ala Gly Pro Xaa Pro Ala Ala Gly Ala Val Ala  
       1                                  5                                  10                                  15

Ser Tyr Asp Tyr Leu Val Ile Gly Gly Gly Ser Gly Gly Leu Ala Xaa  
                   20                                  25                                  30

Val Val Glu Ser His Lys Leu Gly Gly Xaa  
           35                                  40

<210> 1394  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<220>

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<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1394

Gly Thr Arg Leu Ser Thr Ala Gln Leu Ser Pro Ala Gln Ser Asn Pro  
1 5 10 15

Ala Gln Pro Ser Pro Thr Gln Pro Ser Ser Ala Gln Xaa Ser Pro Ala  
20 25 30

Gln Leu Ser Ser Ala Xaa  
35

<210> 1395

<211> 66

<212> PRT

<213> Homo sapiens

<400> 1395

Lys Leu Lys Lys His Phe Leu Lys Gly Ala Leu Ile Lys Ser Glu Val  
1 5 10 15

Phe Trp Leu Ser Phe Phe Ser Val Tyr Ile Phe Phe Leu Ser Leu Trp  
20 25 30

His Arg Val Asp Leu Lys Tyr Ser Ser Ser Ile Leu His Ser Ser Pro  
35 40 45

Ser Ile Gly Ser Ser Ser Phe Asn Glu Phe Gln Leu Tyr Leu Thr Ser  
50 55 60

Ala Ser  
65

<210> 1396

<211> 46

<212> PRT

<213> Homo sapiens

<400> 1396

Leu Leu Leu Lys Arg Phe Pro Phe Leu Phe Lys Leu Leu Met Asp Gln

1                      5                      10                      15  
Arg Thr Ile Val Tyr Phe Phe Ser Leu Val Leu Asp Ile Asn Asp Asn  
                    20                      25                      30  
Leu Val Gly Asn Phe Phe Ser Lys Glu Asn Ile Phe Met Asn  
                    35                      40                      45

<210> 1397

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1397

Met Glu Phe Arg Leu Leu Thr Phe Asn Val Ile Ile Asn Ile Val Gly  
1                      5                      10                      15

Phe Lys Cys Thr Val Leu Leu Phe Val Ser Tyr Leu Cys Gln Leu Phe  
                    20                      25                      30

Phe Asn Val Phe Cys Ser Xaa Xaa Phe Leu Phe Phe Pro  
                    35                      40                      45

<210> 1398

<211> 63

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids



<220>  
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 <222> (40)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (54)  
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (57)  
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (58)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (62)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1398  
 Asn Phe Tyr Ser Xaa Lys Asn Leu Gly Phe Pro Leu Asn Ile Pro Pro  
   1                  5                  10                  15  
 Phe Phe Pro Ser Phe Pro Gln Ile Pro Xaa Phe Tyr Phe Phe Gly Glu  
                   20                  25                  30  
 Ile Arg Phe Ala Pro Phe Phe Xaa Pro Thr Leu Leu Xaa Glu Met Pro  
           35                  40                  45  
 Xaa Pro Trp Asn Glu Xaa Lys Gly Xaa Xaa Leu Arg Leu Xaa Gly  
   50                  55                  60

<210> 1399  
<211> 45  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (45)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1399  
Ile Leu Xaa His Phe Lys Phe Xaa His Arg Thr Ser Xaa Ser Leu Val  
1 5 10 15  
Asn Leu Met Leu Ser Lys Lys Glu Gln Leu Leu Gly Pro Lys Lys Lys  
20 25 30  
Leu Val Xaa Lys Leu Lys Phe Thr Pro Cys Ser Xaa Xaa  
35 40 45

<210> 1400  
<211> 69  
<212> PRT  
<213> Homo sapiens

<220>

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<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1400

Asp Phe Ala Lys Ser Tyr Leu Arg Asn Thr Ile Glu Gly Thr Pro Ala  
1 5 10 15

Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Val Leu Gly  
20 25 30

Xaa Thr Xaa Gln Thr Gln Asp Arg Val Asp Ser Ala Cys Asp Gly Val  
35 40 45

Xaa Xaa Leu Leu Ala Pro Leu His Gln Cys Leu Xaa His Ile Tyr Ile  
50 55 60

Trp Cys Ala Gln Glu  
65

<210> 1401

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1401  
Arg Leu Lys Asn Ala Arg Gly Tyr Trp Xaa Ile Ser Ser Tyr Glu Glu  
1 5 10 15

Arg Ser Xaa Ser Met Lys Xaa Xaa Gly Arg Lys Met Ser  
20 25

<210> 1402  
<211> 74  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (47)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1402

Ser Cys Ser Xaa Arg His Glu Pro Gln Val Gln Thr Phe Gly Val Cys  
1 5 10 15

Ala Trp Leu Arg Ser Gln Trp Gly Glu Ala Thr Ile Cys Gly Ile Met  
20 25 30

Thr Glu Arg Leu Xaa Val Arg Ile Pro Pro Arg Arg Asn Asp Xaa Ala  
35 40 45

Xaa Pro Xaa Ile Leu Gly Trp Pro Leu Ile Ser Gly Pro Pro Pro Val  
50 55 60

Pro Ala Gly Gly Ala Gly Pro Gly Ser Arg  
65 70

<210> 1403

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1403

Thr	Ser	Thr	Val	Lys	Ser	Thr	Lys	Leu	Leu	Ala	Thr	Thr	Leu	Arg	Ala
1				5				10						15	

Thr	Ala	Xaa	Asn	Ser	Lys	Glu	Leu	Ala	Val	Leu	His	Ile	Pro	Leu	Lys
			20					25					30		

Arg	Xaa	Cys	Ser	Val	Ile	Asp	Lys	Pro	Arg	Ser	Xaa	Ser	Pro	Leu	Leu
		35					40					45			

Leu	Thr	Tyr	Xaa	Gln	Lys	Lys	Lys	Lys	Asn	Ser	Xaa	Gly	Ala	Gly	Ser
	50					55					60				

<210> 1404

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1404

Gly Xaa Asn Thr His Xaa Lys Ser Pro His Leu Thr Ile Pro Pro Xaa  
1 5 10 15

Xaa Xaa Lys Asn Ala Xaa Ile Arg Met Thr Xaa Val Phe Leu Leu Ser  
20 25 30

Lys Xaa Asp Pro Ser Cys Ala Pro Leu Ala  
35 40

&lt;210&gt; 1405

&lt;211&gt; 84

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1405

Lys Leu Leu Leu Gln Gly Leu Ala Thr Cys Arg Gln Glu Glu Ala Glu  
1 5 10 15

Leu Asp Ile Arg Pro Gln Gly Cys His Leu Ser Cys Arg Ala Trp Pro  
20 25 30

Cys Gly Gln Gly Ala Val Leu Cys Leu Val Gly Pro Gln Pro Leu Arg  
35 40 45

Ala Glu Met Leu Ser Val Pro Gln Gly Lys Gly Arg Val Phe Trp Lys  
50 55 60

Ala Leu Pro Trp Thr Phe Val Leu Gly Leu Arg Gly Pro Thr Leu Pro  
65 70 75 80

His Thr Cys Pro

<210> 1406  
<211> 60  
<212> PRT  
<213> Homo sapiens

<400> 1406  
Leu Leu Gly Asp Lys Lys Ala Trp Glu Gly Pro Val Pro Lys Pro Ser  
1 5 10 15  
Leu Pro Gly Asp Trp Ala Val Ile Pro Leu Leu Pro Gly Leu Leu Pro  
20 25 30  
Trp Pro Pro Arg Gly Ala Asp Thr Leu Ala Pro Gly Ala Gly Glu Asn  
35 40 45  
Pro Pro Gly Gly Arg Arg Lys Ala Arg Ala Gly Asp  
50 55 60

<210> 1407  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 1407  
Gln Asn Pro Leu Ser Ser Pro Phe Gly Pro Gly Leu Arg Gly Pro Gly  
1 5 10 15  
Gly Ala Gly Gly Glu Leu Ser Gly Ala Thr Thr Pro Cys Pro Gln Trp  
20 25 30  
Thr Asn His Ser Ser Ser Gln Gly Trp Ala Leu Glu Val Pro Gly Arg  
35 40 45  
Arg Val Pro Leu Pro Ser Ala Ile His Val Arg Ser Leu Val Gly Gly  
50 55 60  
Pro Gln Ser His Ser Gly Lys Gly Ser Arg Val Gln Pro Ser Ser Cys  
65 70 75 80  
Ser Phe Pro Ser Leu Ile Ser Ile Asn Leu Ser Thr Pro Leu Leu Trp  
85 90 95  
Gly



<210> 1408  
<211> 36  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1408  
Asn Pro Gly Xaa Pro Xaa Val Xaa Phe Pro Pro Xaa Xaa Lys Glu Thr  
1 5 10 15  
Thr Thr Trp Gly Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
20 25 30

Asn Lys Glu Xaa  
35

<210> 1409  
<211> 70  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1409  
Cys Gln Glu Cys Arg Leu Val Tyr Val Pro Gly Gly Gly Thr Gln Arg  
1 5 10 15  
Gly Ala Pro Gly Phe Pro Cys Pro Pro Ala Ala Leu Pro Leu Phe Pro  
20 25 30  
Phe Phe Pro Asp Xaa Arg Pro Glu Pro Val Pro Xaa Leu Xaa Ile Asn  
35 40 45  
Leu Cys Glu Ile Lys Lys Lys Lys Lys Lys Asn Ser Gly Gly Gly Pro  
50 55 60  
Val Pro Xaa Trp Ala Leu  
65 70

<210> 1410  
<211> 149  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1410

Gly	Arg	Ala	Pro	Glu	Glu	Gln	Asp	Ala	Leu	Tyr	Leu	Gln	Arg	Arg	Glu
1				5					10						15

Ala	Ala	Ser	Xaa	Pro	Xaa	Leu	Xaa	Leu	Pro	Glu	Ser	Arg	Lys	Asp	Pro
			20					25						30	

Pro	Trp	Asp	Ser	Ser	Val	Cys	Xaa	Lys	Asp	Ala	Pro	Xaa	Leu	Xaa	Pro
		35					40						45		

Gly	Phe	Pro	Ser	Xaa	Arg	His	Arg	Thr	Gln	Phe	Ser	Arg	Pro	Gly	Gly
	50					55						60			

Arg	Ala	Pro	Ile	Thr	Pro	Gln	Ala	Lys	Xaa	Lys	Pro	Pro	Cys	Pro	Gly
65					70					75					80

Pro	Lys	Pro	Leu	Xaa	Pro	Pro	Phe	Pro	Trp	Phe	Pro	Arg	Glu	Pro	Val
				85					90						95

Thr	Thr	Leu	Xaa	Arg	Ala	Leu	Thr	Pro	Met	Ala	Ser	Phe	Leu	Trp	Phe
		100						105						110	

Ser	Pro	Arg	Gly	Gln	Leu	Val	Pro	Asn	Xaa	Xaa	Xaa	Arg	Leu	Gly	Phe
		115					120						125		

Pro	Xaa	Lys	Lys	Asn	Phe	Gly	Phe	Ile	Xaa	Lys	Lys	Lys	Arg	Xaa	Gly
	130					135								140	

Gly Gly Gly Pro Gly

145

<210> 1411  
<211> 65  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1411

Pro Xaa Leu Gly Ile Xaa Asn Leu Leu Xaa Ser Ser His Cys Pro Lys  
 1 5 10 15

Pro Ser Xaa Cys Leu Leu Asp Ala Tyr Ser Xaa Cys Gly Tyr Gly Gly  
 20 25 30

Ser Leu Ser Pro Xaa Ser Asp Met Ser Ser Leu Leu Gly Val Asn Xaa  
 35 40 45

Ser Xaa Glu Asp Thr Phe Xaa Asn Lys Leu Phe Pro Gln Leu Ile Ser  
 50 55 60

Val  
 65

&lt;210&gt; 1412

&lt;211&gt; 116

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1412

Glu Phe Gln Ser Met Gly Ser Arg Leu Ser Gln Pro Phe Glu Ser Tyr  
 1 5 10 15

Ile Thr Ala Pro Pro Gly Thr Ala Ala Ala Pro Ala Lys Pro Ala Pro  
 20 25 30

Pro Ala Thr Pro Gly Ala Pro Thr Ser Pro Ala Glu His Arg Leu Leu  
 35 40 45

Lys Thr Cys Trp Ser Cys Arg Val Leu Ser Gly Leu Gly Leu Met Gly  
 50 55 60

Ala Gly Gly Tyr Val Tyr Trp Val Ala Arg Lys Pro Met Xaa Xaa Gly  
 65 70 75 80

Tyr Pro Pro Ser Pro Trp Thr Ile Thr Gln Met Val Ile Gly Leu Ser  
85 90 95

Glu Asn Gln Gly Ile Ala Thr Trp Gly Ile Val Val Met Ala Asp Pro  
100 105 110

Lys Gly Lys Ala  
115

<210> 1413  
<211> 52  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1413  
Asn Leu Ser Ser Thr Leu Asn Leu Pro Gln Asn Pro Leu Asn Pro Leu  
1 5 10 15

Xaa Asn Leu Thr Val Val Gln Arg Gly Thr Ala Leu Trp Thr Leu Gly  
20 25 30

Lys Asn Leu Val Glu Arg Gly Lys Xaa Tyr Thr His Ser Xaa Pro Lys  
35 40 45

Ser Ser Thr Asn  
50

<210> 1414  
<211> 52  
<212> PRT  
<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1414

Pro Thr Glu Gln Val Thr Leu Gly Ile Thr Ala Gln Ser Tyr Ser Arg  
1 5 10 15

Val His Ile Asn Asn Arg Val Tyr Asp Leu Asp Val Gly Ser Gly His  
20 25 30

Pro Asp Gly Ala Ala Ala Ile Lys Gly Ser Phe Gly Gln Arg Leu Lys  
35 40 45

Xaa Tyr Val Ile  
50

<210> 1415

<211> 55

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

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<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids



&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1415

Ser Lys Ser Ala Xaa Phe Gln Arg Leu Trp Tyr Gly Leu Ser Ala Ala  
1 5 10 15

Ser Asn Lys Met Lys Ser Gln Asn Arg Ala Xaa Xaa Xaa Lys Ser Ile  
20 25 30

Phe Ser Ala Val Leu Asp Cys Thr Xaa Ala Leu Pro Xaa Ile Asp Thr  
35 40 45

Gln Thr Pro Leu Gln Thr Gln  
50 55

&lt;210&gt; 1416

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1416

Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser  
1 5 10 15

Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu  
20 25 30

Ser Xaa Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu  
35 40 45

Arg Lys Arg Gln Ala Gln His Pro Leu Pro Lys Lys Ser Gln Thr Tyr  
50 55 60

Asn

65

&lt;210&gt; 1417

&lt;211&gt; 22

&lt;212&gt; PRT

<213> Homo sapiens

<220>

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1417

Asp	Thr	Ser	Xaa	Gly	Thr	Gly	Pro	Met	Glu	Met	Tyr	Arg	Xaa	Phe	Pro
1				5					10					15	

Ile Leu Val Xaa Ser Leu

20

<210> 1418

<211> 54

<212> PRT

<213> Homo sapiens

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<222> (19)

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<220>

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<222> (43)

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&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1418

Gly Ile Arg Ile Phe Cys Lys Trp Arg His Ile Gln Lys Lys Ser Leu  
1 5 10 15

Asn Gly Xaa Ile Gly Met Glu Trp Gly Lys Xaa Phe Trp Lys Xaa Ile  
20 25 30

Pro Ile Leu Pro Gly Arg Leu Phe Glu Val Xaa Ile Xaa Val Pro Asn  
35 40 45

Lys Val Asn Xaa Phe Leu  
50

&lt;210&gt; 1419

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1419

Gln Leu Leu Leu Ser Val Arg Leu His Phe Ala Pro Tyr Asn Tyr Cys  
1 5 10 15

Phe Gln Ile Ser Thr Cys Met Cys Leu Ser Leu Lys Ala Leu Val Lys  
20 25 30

Ser His Ile Leu Tyr Ser Ala  
35

&lt;210&gt; 1420

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1420

Gly Gly Gly Ala Xaa Pro Glu Gly Leu Ser Leu Leu Ala Pro Ser Ala  
1 5 10 15

Arg Ser Arg Ala Gly Arg Ala Leu Pro Ala Pro Gly Thr Val Pro Gly  
20 25 30

Gly Glu Tyr Asp Xaa Xaa Xaa Thr Pro Val Lys Xaa Glu  
35 40 45

&lt;210&gt; 1421

&lt;211&gt; 136

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1421

Ala Ala Ala Ala Ala Gly Asp Pro Gly Ala Met Gly Arg Ala Arg Asp  
1 5 10 15

Ala Ile Leu Asp Ala Leu Glu Asn Leu Thr Ala Glu Glu Leu Lys Lys  
20 25 30

Phe Lys Leu Lys Leu Leu Ser Val Pro Leu Arg Glu Gly Tyr Gly Arg  
35 40 45

Ile Pro Arg Gly Ala Leu Leu Ser Met Asp Ala Leu Asp Leu Thr Asp  
50 55 60

Lys Leu Val Ser Phe Tyr Leu Glu Thr Tyr Gly Ala Glu Leu Thr Ala  
65 70 75 80

Asn Val Leu Arg Asp Met Gly Leu Gln Glu Met Ala Gly Gln Leu Gln  
85 90 95

Ala Ala Thr His Gln Gly Ser Gly Ala Ala Pro Leu Gly Ser Arg Pro  
100 105 110

Leu Leu Ser Arg Gln Pro Ser Gln Ala Cys Thr Leu Ile Asp Gln His  
115 120 125

Arg Ala Ser Leu Ser Arg Arg Ser  
130 135

<210> 1422

<211> 115

<212> PRT

<213> Homo sapiens

<220>

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<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1422

Gly Met Thr Pro Phe Cys Gly Leu Lys Cys Asp Ala Leu Gln Lys His  
1 5 10 15

His Ser Asp Gly Gln Leu Asp Ser Gly Val Leu Arg Leu Cys Pro Leu  
20 25 30

Pro Thr Ala Ser Leu Pro His Pro Ser Leu Gln Ser His Phe Ser Asp  
35 40 45

Arg Ala Ile Pro Lys Asn Thr Glu Gly Leu Glu Cys Trp Leu Ala Thr  
50 55 60

Leu Cys Leu Ser Gly Leu Pro Lys Ala Trp Lys Lys Glu Gly Pro Asp  
65 70 75 80

Cys Gln Gly Asn Leu Leu Ile Gly Leu Arg Arg His Trp Ser Leu Xaa  
85 90 95

Cys Gly Ala Pro Gln Ser Cys Arg Ser Asn Ala Leu Leu Ala Xaa Leu  
100 105 110

Ala Trp Leu  
115

<210> 1423

<211> 52

<212> PRT

<213> Homo sapiens

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<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1423

Arg Ala His Pro Ser Ile Phe Ala Xaa Ile Val Gly Lys Ile Tyr Arg  
1 5 10 15

Phe Glu Gly Glu Gln Thr Tyr Arg Ala Trp Leu Ile Ser Leu Phe Val  
20 25 30

Pro Arg Leu Glu Ser Leu Phe Pro Thr Phe Xaa Phe Leu Pro His Gln  
35 40 45

Xaa Pro Ser Phe  
50

<210> 1424

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1424

Leu	Cys	Lys	Gly	Glu	Pro	Lys	Leu	Arg	Pro	Pro	Lys	Pro	Asp	Glu	Leu
1				5				10						15	

Pro	Lys	Lys	Gln	Leu	Lys	Glu	His	Thr	Arg	Leu	Cys	Ser	Lys	Ile	Val
			20					25					30		

Gly	Arg	Phe	Ile	Gly	Xaa	Gly	Asp	Lys	Pro	Thr	Glu	Pro	Gly	Asp	Ser
		35					40					45			

Trp	Phe	Pro	Xaa	Glu
				50

<210> 1425

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1425

Leu	Phe	Phe	Phe	Leu	Asn	Xaa	Xaa	Leu	His	Xaa	Phe	Ser	Xaa	Phe	Gln
1				5				10						15	

Asp Gly Arg Cys Tyr Gly Phe  
20

<210> 1426

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>



<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>  
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<220>

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<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1426

Lys	Gly	Leu	Glu	Lys	Gln	Xaa	Arg	Leu	Lys	Ala	Xaa	Ser	Ser	Lys	Pro
1				5					10					15	

Asn	Gln	Xaa	Ser	Xaa	Xaa	Gly	Gln	Xaa	Val	Ala	Leu	Xaa	Val	Pro	Xaa
			20					25					30		

Gln	Lys	Xaa	Xaa	Xaa	Trp	Glu	Lys	Gly	Glu	Xaa	Xaa	Gly	Asn	Xaa	Xaa
			35					40					45		

Leu	Lys	Leu	Xaa	Leu	Leu	Gly	Xaa	Ile	Pro	Pro	Trp	Lys	Leu	Xaa	Ser
			50				55					60			

Phe	Leu	Gly	Lys	Arg	Xaa	Lys	Xaa	Gln	Pro	Xaa
	65					70				75

<210> 1427

<211> 174

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (127)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (149)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (162)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (172)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1427

Pro	Pro	Cys	Cys	Cys	Pro	Thr	Thr	Pro	Thr	Cys	Ser	Arg	Cys	Gly	Arg
1				5					10					15	

Cys	Arg	Gly	Gly	Trp	Ala	Ala	Gln	Leu	Thr	Gly	Arg	Arg	His	Ser	Pro
		20					25						30		

Arg	His	Ala	Gly	Ser	Pro	Arg	Pro	Ala	Arg	Trp	Pro	Cys	Lys	Thr	Ala
		35					40					45			

Ser	Gly	Pro	Ser	Pro	Ser	Cys	His	Ala	Ala	Xaa	Gly	Asp	Met	Gly	Arg
	50					55					60				

Val	Ala	Leu	Lys	Ser	Arg	Gly	Ala	Val	Gly	Thr	Asp	Cys	Gly	Gln	Glu
65					70				75						80

Ala	Trp	Lys	Val	Trp	Cys	Gly	Cys	Xaa	Cys	Glu	Ser	Glu	Cys	Glu	Cys
			85					90						95	

Ala	Gly	Arg	Pro	Gln	Gly	Gln	Glu	Ala	Ala	Ala	Pro	Arg	Leu	Lys	Ala
			100					105					110		

Met	Ala	Ala	Met	Asp	Leu	Xaa	Gln	Gly	Pro	Arg	Leu	His	Gly	Xaa	Arg
			115				120					125			

Thr	Trp	Asn	His	Asp	Ser	Gly	His	Trp	Ile	Trp	Gly	Gln	Gly	His	Val
		130				135					140				

Asp	Lys	Thr	Phe	Xaa	Thr	Val	Phe	Phe	Thr	Lys	Ala	Glu	Glu	Pro	Arg
145					150					155				160	

Met Xaa Pro His Ala Pro Pro Asn Asn Cys Pro Xaa Leu Arg  
165 170

<210> 1428  
<211> 64  
<212> PRT  
<213> Homo sapiens

<400> 1428  
Ser Ile Gly Ser Gly Thr Ser Cys Arg Thr Gln Leu Lys Thr His Val  
1 5 10 15  
Phe Phe His Arg Ile Met Cys Gln Phe Phe Val Ala Met Ile Phe Leu  
20 25 30  
Leu Glu Ser Gln Lys Cys Phe Val Pro Glu His Leu Gln Thr Ala Leu  
35 40 45  
Arg Lys Asn Ser Gln Asn His Pro Leu Phe Pro Phe Leu Tyr Tyr Leu  
50 55 60

<210> 1429  
<211> 120  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (45)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1429

Asp Xaa Gly Phe Arg Met Ala Ala Pro Val Arg Ile Thr Val Leu Cys  
1 5 10 15

Ser Lys Glu Asn Asp Ser Thr Cys Ser Phe Ser Leu Val Glu Val Thr  
20 25 30

Leu Val Ser Cys Trp Gly Gly Gly Xaa His Phe Phe Xaa Val Ser Val  
35 40 45

Glu Ser Lys Met Asn Asn Lys Ala Gly Ser Phe Phe Trp Asn Leu Arg  
50 55 60

Gln Phe Ser Thr Leu Val Ser Thr Ser Arg Thr Met Arg Leu Cys Cys  
65 70 75 80

Leu Gly Leu Cys Lys Pro Lys Ile Val Pro Phe Lys Leu Glu His Phe  
85 90 95

Glu Ile Thr Phe Ile Thr Glu Cys Asn Gln Arg Met Ile Ile Glu Xaa  
100 105 110

Ala Leu Ala Gly Cys Xaa His Phe  
115 120

<210> 1430

<211> 54

<212> PRT

<213> Homo sapiens

<400> 1430

Thr Cys Val Thr Lys Lys Lys Met Asn Val Leu Lys Arg Val Leu Gly  
1 5 10 15

Gly Trp Phe Asn Lys Glu Thr Lys Met Leu Trp Cys Leu Asp Leu Trp  
20 25 30

Leu Leu Lys Met Ser Ser Gln Val Lys Ser Leu Val Cys Leu His Leu  
35 40 45

Ile His Phe Cys Thr Asn  
50

<210> 1431  
<211> 132  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (120)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (126)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (128)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (131)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (132)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1431  
Thr Val Thr Val Xaa Xaa Ser Arg Val Arg Pro Ser Ala Ser Gly Arg  
1 5 10 15

Val Phe Met Trp Thr Val Ser Gly Thr Pro Cys Arg Glu Phe Trp Ser  
20 25 30

Arg Phe Arg Lys Glu Lys Glu Pro Val Val Val Glu Thr Val Glu Glu

[illegible]

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<210> 1432
<211> 30
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 1432
Ser Gly Thr Val Lys Arg His Xaa Arg Xaa Xaa Ile Ser Gly Arg Pro
      1              5              10             15
```

Pro Ala Pro Pro Arg Xaa Pro Arg Glu Gly Pro Gly Ala Gly  
20 25 30

<210> 1433

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1433

Thr Pro Leu Ser Gln Asn Pro Ala Gln Ala Glu Arg Tyr Gly Ser Ala  
1 5 10 15

Ala Glu Pro Arg Leu Ala Ser Asp Ser Arg Ser Pro Arg Cys Pro Arg  
20 25 30

Arg Arg Ala Ala Xaa Xaa Xaa Arg Xaa Pro Pro  
35 40

<210> 1434

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids



&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1434

Leu Asn Ala Ser Lys Ser Glu Ser Arg Pro Gly Gly Thr Ile Arg Gln  
1 5 10 15

Arg Arg Gly Ala Ser Asp Gly Ser Asp Ser Arg Ser Pro Ala Xaa Pro  
20 25 30

Arg Arg Arg Ala Ala Pro Pro Xaa Arg Ala Xaa Arg Ala Arg Glu  
35 40 45

&lt;210&gt; 1435

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1435

Cys Leu Ser Phe Leu Tyr Tyr His Arg Tyr Phe Pro His Ser Leu Ala  
1 5 10 15

Xaa Ala Cys Arg Met Leu Xaa Lys Ser Leu Ile Asn His Trp Ala Lys  
20 25 30

Tyr Thr Glu Gly Glu Ala Ser Ser Ile Phe Lys Leu Val Ser Lys Phe  
35 40 45

Phe Ile Ala  
50

<210> 1436  
<211> 96  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (73)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (80)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (83)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (89)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (90)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1436  
Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg  
1 5 10 15  
Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Val  
20 25 30  
Val Gln Asp Arg Ile Leu Ser Ser Thr Leu Asn Leu Pro Gln Asn Pro  
35 40 45  
Leu Asn Pro Leu Xaa Asn Leu Thr Gly Ser Pro Lys Arg Asn Ser Ser  
50 55 60  
Leu Asp Thr Arg Lys Lys Pro Cys Xaa Glu Ser Lys Lys Ile Asn Xaa

65                      70                      75                      80

His Ser Xaa Pro Lys Ser Ser Thr Xaa Xaa Lys Ala Val Lys Leu Thr

85                      90                      95

```
<210> 1437
<211> 58
<212> PRT
<213> Homo sapiens
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```
<400> 1437
Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser
   1                   5               10             15
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Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu  
20 25 30

Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu  
35 40 45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr  
50 55

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<210> 1438
<211> 121
<212> PRT
<213> Homo sapiens
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<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 1438  
Asp Gly Gly Ser Ser Val Gln Ser Glu Ala Glu Ala Ser Val Asp Pro  
          1                      5                      10                      15

Ser Leu Ser Trp Gly Gln Arg Lys Lys Leu Tyr Tyr Asp Thr Asp Tyr  
20 25 30

Gly Ser Lys Ser Arg Gly Arg Gln Ser Gln Gln Glu Ala Glu Glu Glu  
35 40 45

Glu Arg Glu Glu Glu Glu Glu Ala Gln Ile Ile Gln Arg Arg Leu Ala

50		55		60
Gln Ala Leu Gln Glu Asp Asp Phe Gly Val Ala Trp Val Glu Ala Phe				
65		70		75
Ala Lys Pro Val Pro Gln Val Asp Glu Ala Glu Thr Arg Val Val Lys				
	85		90	95
Asp Leu Ala Lys Gly Ser Val Glu Arg Lys Thr Xaa Lys Cys Cys Lys				
	100		105	110
Arg Asn His Gln Asn Ser Trp Ser Leu				
	115		120	

&lt;210&gt; 1439

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1439

Leu Leu Asn Ile Leu Glu Phe Phe Tyr Ser Trp Tyr Leu Lys Lys Lys
1                      5                      10                      15

Lys Lys Arg Ala Ala Ala Leu Glu Asp Pro Ser Arg Gly Pro Ser Phe
20                      25                      30

Thr Arg Ala Cys Asp Val His Ser Ser Leu Pro Ile Val Ser Arg Ile
35                      40                      45

Ile Lys Leu Gly Thr Gly Arg Ala Val Tyr Asn Val Arg Gly Leu Gly
50                      55                      60

Arg Ser Ala Ser Leu Gly Xaa Xaa Val Glu Gly Thr Leu Leu
65                      70                      75

&lt;210&gt; 1440

&lt;211&gt; 121

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1440

Leu Cys Ala Phe Ser Ala Pro Phe Ser Gly Cys Pro Thr Leu Pro Leu  
1 5 10 15

His Ala Ala Trp Ala Ala Arg Xaa Arg Xaa Pro Thr Gly Ser Lys Cys  
20 25 30

Ala Phe Leu Arg Ala Leu Pro Glu Ser Ser Thr Ala His Pro Val Ala  
35 40 45

Pro Cys Leu Ala Trp Pro Gly Leu Pro Gly Pro Ser Leu Pro Met Leu  
50 55 60

Leu His Val Leu Ile Phe Leu Phe Gly Pro Leu Leu Pro Pro Leu Ala  
65 70 75 80

Val Leu Pro Leu Gly Leu Xaa Pro Ser Cys Leu Asn Leu Gly Lys Val  
85 90 95

Leu Ser Leu Trp Xaa Ser Ser Ser Xaa Pro Arg Val Leu Glu Pro Gly  
100 105 110

Leu Phe Pro Thr Gly Pro Thr Leu Thr

115

120

<210> 1441  
<211> 121  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (79)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (81)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (109)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (110)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (117)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (119)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

&lt;222&gt; (120)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1441

Gln Xaa Ile Ser Ala Pro Trp Gly Leu Glu Gln Asn Trp Gln Arg Gly  
1 5 10 15

Lys Arg Ser Leu Arg Ala Ser Val Thr Gln Asp Leu Pro Pro Ala Cys  
20 25 30

Pro Ser Pro Ala Arg Leu Leu Glu Asn Gly His Cys Ala Gln Pro Gly  
35 40 45

Pro Trp Ala Ala Gln Ala Gly Val Xaa His Gly Pro Gly Pro Pro Ser  
50 55 60

Leu Pro Leu Leu Arg Pro Pro Ala Phe Arg Gln Ala Lys Ala Xaa Phe  
65 70 75 80

Xaa Pro Thr Arg Pro Pro Gln Gly Ala Ser Gly Ala Gln Val Gly Pro  
85 90 95

Ser Phe Asn Leu Pro Val Val Val Val Gly Ala Leu Xaa Xaa Pro Gln  
100 105 110

Arg Ser His Phe Xaa Gly Xaa Xaa Trp  
115 120

&lt;210&gt; 1442

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1442

Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg  
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu  
20 25 30

Ser Lys Ile Glu Ser  
35

&lt;210&gt; 1443

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (47)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids



&lt;400&gt; 1443

Ala Lys Pro Xaa Pro Lys Pro Thr Pro Pro Tyr Tyr Xaa Thr Thr Leu  
1 5 10 15

Ala Lys Pro Phe Thr Gln Ile Lys Tyr Xaa Arg Tyr Lys Leu Lys Pro  
20 25 30

Xaa Xaa Ile His Ile Leu Pro Pro Gly Lys His Glu Lys Leu Xaa Pro  
35 40 45

Xaa Xaa Ile Xaa Xaa Gly Leu Thr Pro Ile Pro Ser Ala  
50 55 60

&lt;210&gt; 1444

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1444

Asn Ala Tyr Val Asn Phe Phe Leu Phe Leu Ser Ile His Pro Asn Lys  
1 5 10 15

Lys Ile Thr Gly Lys Pro Met Phe Leu Arg Cys His Tyr Ser Lys Gln  
20 25 30

Asn Lys Arg  
35

&lt;210&gt; 1445

&lt;211&gt; 79

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (71)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (76)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (79)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1445  
Gly Arg Gly Ser Ser Gly Leu Met Leu Gly Cys Arg Ser Ala Pro Val  
1 5 10 15

Ala Thr Pro Pro Xaa Gln Pro Gly Xaa Leu Gly Ala Arg Leu Gly Val  
20 25 30

Leu Thr Gly Val Gly Xaa Thr Pro Asn Ser Lys Ser Leu Arg Lys Arg  
35 40 45

Glu Val Glu Gly Glu Ala Ser Xaa Xaa Ile Lys Ala Pro Ile Arg Ser  
50 55 60

Lys Lys Lys Lys Lys Xaa Xaa Gly Gly Gly Pro Xaa Pro Asn Xaa  
65 70 75

<210> 1446  
<211> 104

<212> PRT

<213> Homo sapiens

<400> 1446

Phe Ala Cys Ser Arg Arg Gly Val Ala Leu Ile Ser Ala Met Ser Ser  
1 5 10 15

Gln Lys Gly Asn Val Ala Arg Ser Arg Pro Gln Lys His Gln Asn Thr  
20 25 30

Phe Ser Phe Lys Asn Asp Lys Phe Asp Lys Ser Val Gln Thr Lys Lys  
35 40 45

Ile Asn Ala Lys Leu His Asp Gly Val Cys Gln Arg Cys Lys Glu Val  
50 55 60

Leu Glu Trp Arg Val Lys Tyr Ser Lys Tyr Lys Pro Leu Ser Lys Pro  
65 70 75 80

Lys Lys Cys Val Lys Cys Leu Gln Lys Thr Val Lys Asp Ser Tyr His  
85 90 95

Val Met Cys Arg Pro Cys Ala Leu  
100

<210> 1447

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1447

Tyr Pro Arg Xaa Leu Xaa Cys His Arg Val Ala Gln Ala Cys Pro Ala  
1 5 10 15

Thr Pro Arg Ile Thr Leu Trp Pro Ser Ala Ser Gly Met Ser Xaa Arg  
20 25 30

Trp Ser

<210> 1448

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1448

His	Xaa	Xaa	Asn	Pro	Xaa	Ser	Asn	Xaa	Lys	Tyr	His	Arg	His	Xaa	Xaa
1				5					10					15	

His	Lys	Glu	Tyr	Lys	Xaa	His	His	Pro	Xaa	Ala	Trp	Glu	Asn	Val	Val
		20						25					30		

Glu	Asn	Leu	His	Leu	Tyr	Xaa	Ile	Leu	Lys	Met	Lys	Leu	Gly	Val	Val
	35						40					45			

Val	His	Thr	Cys	Gly	Pro	Ser	Leu	Leu	Gly	Xaa	Leu	Gln	Pro	Gly	Xaa
	50					55					60				

Xaa	Ala	Pro	Xaa	Gln	Gly	Leu	Val	Ala	Ala	Met	Ser	Ser	Xaa	Leu	Ala
65					70					75				80	

<210> 1449  
<211> 110  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (102)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (108)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1449  
Gly Thr Val Tyr Leu Glu Leu Arg Gly Phe Pro Arg Thr Met Gly Met  
1 5 10 15  
Ala Lys Asn Lys Leu Val Lys Ser Asp Pro Gly Thr Gln Gln Leu Ile  
20 25 30  
Leu Xaa Phe Phe Leu Ser Leu Ser Arg Val Phe Phe Pro Pro Trp Ala  
35 40 45  
Gly Met His Thr Ala Ala Ala Leu Val Ser Gly Gln Ala Asp Gly Leu  
50 55 60  
Gly Ala Ser Pro Arg Gly Val Ala Gly Ala Glu Asp Pro Pro Arg Arg  
65 70 75 80  
Thr Pro Ala Ser Ser Ala Gly Gln Arg Gln Ala Gly Arg Ala Phe Arg  
85 90 95  
Gly Ala Arg Ala Phe Xaa Gln Ala Cys Ser Pro Xaa Cys Ser  
100 105 110

<210> 1450  
<211> 111  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (96)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (97)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1450  
Xaa Ser Ala Glu His Phe His Arg Leu Pro Arg Arg Xaa Xaa Gln Leu  
1 5 10 15  
Arg Asp Val His His Gly Trp Ala Pro Arg Gly Glu Arg Arg Pro Thr  
20 25 30  
Xaa Ala Val Pro Val Arg Glu Arg Glu Gly Phe Arg Gly Val Arg Arg  
35 40 45  
Arg Thr Leu Gly Pro Pro Ala Ala Val Tyr Arg Ala Ser His Leu Leu  
50 55 60  
Ser Xaa Phe Pro Leu Ser Arg Ser Lys Asn Thr Lys Leu Gly Thr Pro  
65 70 75 80

Leu Xaa Xaa Pro Gln Xaa Ile Lys



35

40

&lt;210&gt; 1452

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1452

Thr Ser Ser Gly Thr Arg Asp Leu Pro Leu Gly Trp Pro Ala Arg Arg

1

5

10

15

Xaa Arg Xaa Gly Xaa Pro Gly Ser Thr His Ala Ser Ala Ile Leu Leu

20

25

30

Glu Xaa Ile Xaa Leu Ser Pro Pro

35

40

&lt;210&gt; 1453

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1453  
 Xaa Ser Ala Thr Gln Glu Val Arg Ile Leu Leu Ala Ser Ala Gly Cys  
           1                  5                  10                  15  
 Cys Phe Phe Ser Gly Ser Gly Thr Gly Arg Gly Pro Val Val Tyr Leu  
                   20                  25                  30  
 Thr Gln Met Gly Asp Glu Lys Val Leu Leu Xaa Lys Xaa Lys Thr Leu  
           35                  40                  45  
 Asp Gly Asn Ser Ser Gly Lys Arg Asn Glu Xaa Arg Asn Lys Arg Arg  
           50                  55                  60  
 Lys Gln Xaa  
           65

<210> 1454  
 <211> 44  
 <212> PRT  
 <213> Homo sapiens

<400> 1454  
 Asn Ser Glu His Ser Thr His Val Trp His Phe Lys Val Lys Thr Ser  
           1                  5                  10                  15

Val Thr Ser Arg Thr Lys Glu Ile Val Ser Tyr Thr Phe Ile Phe Met  
20 25 30

Asn Ser Phe Ile Phe Leu Phe Asn Asp Ser Leu Phe  
35 40

<210> 1455

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1455

Thr Ser Thr Ser Trp Cys Val Ser Leu Thr Gly Val Glu Asp Gln Thr  
1 5 10 15

Gly Xaa Xaa Xaa Xaa Cys Ser Glu Arg Val Arg Ser Tyr Trp Ile Ile  
20 25 30

Ile Xaa Leu Asn Pro Lys Gln  
35

<210> 1456  
<211> 149  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (54)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (81)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (104)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (112)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (113)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (121)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (122)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (125)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (126)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1456

Ser Pro Pro Pro Pro Gly Leu Ala Leu Pro Gly Gly Tyr Asp Trp Ser  
1 5 10 15

His Trp Ser Arg Arg Ile Pro Ala Ser Ser Val Ala Ala Ser Thr Ser  
20 25 30

Leu Ser Arg Pro Arg Pro Ala Pro Arg Arg Leu Leu Trp Val Arg Pro  
35 40 45

Pro Arg Gly Ala Ala Xaa Ser Gln Ala Ala Gly Gln Ala Arg Leu Lys  
50 55 60

Ser Leu Gln Trp Leu Thr Asn Leu Ser Leu Ser Val Leu Thr Trp Pro  
65 70 75 80

Xaa Ile Asp Tyr Gly Arg Leu Gly Val Asn Ser Ile Pro Thr Ile Lys  
85 90 95

Val Ile Ser Gln Ser Pro Leu Xaa Gln Ala Thr Val Met Ser Ser Xaa  
100 105 110

Xaa Phe Gly Gly Ile Ala His Thr Xaa Xaa Thr Glu Xaa Xaa Arg Asn  
115 120 125

Asp Thr Asn Met Ser Gln Ser Phe Xaa Gly Asn Leu Asp Pro Trp Asn  
130 135 140

Val Phe Ser Xaa Trp  
145

<210> 1457

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (124)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (135)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (138)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1457

Glu Ala Ala Ala Leu Gly Leu Ser Gln Pro Ser Gly Cys Trp Cys Cys  
1 5 10 15

His Pro Pro Ala Leu Ser Leu Trp His Phe Pro Pro Leu Arg Pro Trp  
20 25 30

Arg Ala Leu Pro Val Gly Leu Ala Ala Pro Gln Asn Leu Gly Pro Ser  
35 40 45

Ser Ser Ile Gly Phe Ser Pro Gly Phe His Leu Leu Pro Arg Ala Gln  
50 55 60

Pro Leu Thr Cys Phe Ile Gly His Ser Gly Cys Ser Leu Thr Gln Trp  
65 70 75 80

Leu Val Gly Arg Gly Val Thr Glu Gly Ser Gln Gly Pro Val Gly Val  
85 90 95

Pro Gly Gln Lys Asn Trp Leu Gln Leu Pro Val Trp Ser Arg Val Phe  
100 105 110

Arg Val Asn Val Xaa Asn Phe Lys Gly His Ser Xaa Asn Gln Leu Gly  
115 120 125

Val Lys Ser Leu Arg Met Xaa Asn Leu Xaa Gly Arg  
130 135 140

&lt;210&gt; 1458

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1458

Pro	Pro	Arg	Cys	Ser	Arg	Ser	Xaa	Thr	Ser	Xaa	Xaa	Pro	Gly	Cys	Arg
1				5				10						15	

Asn	Ser	Ala	Arg	Ala	Cys	Lys	Thr	Ala	Gly	Cys	Thr	Ala	Ser	Ser	Lys
			20					25					30		

Pro	Arg	Xaa	Ser	Glu	Gln	Ile	Leu	Arg
		35					40	

&lt;210&gt; 1459

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1459

Arg	Val	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Leu	Asp	Gly	Ile	Phe	Asn	Leu
1				5					10					15	

Phe Ile Met Phe Val Ser Tyr Arg His Leu Cys Phe Xaa Gln Gln Phe  
20 25 30

Ile Ile Val Thr Ser His Thr Ser Xaa Ile Thr Thr Glu Arg Thr Leu  
35 40 45

Lys Tyr Lys Glu Arg Leu Gln Lys  
50 55

<210> 1460

<211> 56

<212> PRT

<213> Homo sapiens

<400> 1460

Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser Pro Lys  
1 5 10 15

Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu Ser Lys  
20 25 30

Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu Arg Lys  
35 40 45

Arg Ser Ser Ser Thr Pro Thr Thr  
50 55

<210> 1461

<211> 124

<212> PRT

<213> Homo sapiens

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<222> (123) .

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1461

Gly Phe Arg Glu Asn Lys Leu Lys Xaa Ile Lys Phe Val Lys Ser Asn  
1 5 10 15

Tyr Ile Tyr Ile Lys Lys Pro Ile Cys Ile Arg Gln Lys Leu Phe Leu  
20 25 30

Phe Ile Ser Val Arg Tyr Pro Leu Asn Lys Tyr Phe Ser Gly Xaa Lys  
35 40 45

Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Xaa Xaa Lys Gly Gly Arg  
50 55 60

Xaa Lys Gly Ser Xaa Leu Thr Phe Ala Cys Xaa Gln Arg His Thr Ser  
65 70 75 80

Pro Xaa Leu Ser Pro Asn Phe Xaa Pro Leu Ala Val Phe Leu Gln Pro  
85 90 95

Ser Xaa Leu Gly Lys Ser Xaa Xaa Val Xaa Gln Leu Lys Pro Pro Cys  
100 105 110

Xaa Tyr Ile Pro Phe Ser Pro Ala Xaa Arg Xaa Phe  
115 120

<210> 1462

<211> 51

<212> PRT

<213> Homo sapiens

<220>

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<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1462

His Glu Ala Ala Pro Glu Phe Gly Arg Lys Ile Glu Ala Glu Asp Val  
1 5 10 15

Glu Gly Ser Cys Gly Gly Gly Ser Asp Ala Ser Gly Thr Lys Leu Arg  
20 25 30

Asn Ser Leu Thr Asp Pro Val Pro Arg Glu Arg Gly Ser Pro Gln Ala  
35 40 45

Leu Leu Xaa

50

<210> 1463  
<211> 80  
<212> PRT  
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1463  
His Xaa Phe Ala Thr Val Met Asp Val Tyr Xaa Asn Pro Xaa Arg Val  
1 5 10 15

Cys Leu Pro Ala Leu His Pro Lys Ala His Leu Leu Pro Pro Leu His  
20 25 30

Leu Arg Xaa Lys Thr Leu Gln Thr Ala Asp Thr Arg Lys Xaa Asn Ser  
35 40 45

Gln Leu Cys Leu Met Leu Leu Val Ser Ser Thr Ser Xaa Gln Asn Arg  
50 55 60

Tyr His Ala Glu Phe Arg Gly Pro Cys Xaa Ser Lys Ser Leu Leu Phe  
65 70 75 80

<210> 1464

<211> 81

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1464

Val Phe Leu Cys Leu Cys Ala Ser Ala Met Xaa Lys Asn Thr Arg Gln

1

5

10

15

Thr Thr Met Arg Ile Asn Xaa Xaa Asp Ala Leu Cys Thr Pro His Ser  
                   20                  25                  30

His Glu Pro Lys Lys Ile Phe Xaa Xaa Phe Leu Met Lys Glu Lys Xaa  
                   35                  40                  45

Cys Pro Leu Trp Xaa Leu Pro Pro Xaa Phe Xaa Xaa Xaa Ile Leu Phe  
                   50                  55                  60

Xaa Leu Pro Pro Pro Lys Asn Pro Xaa Xaa Xaa Cys Phe Leu Ala Xaa  
                   65                  70                  75                  80

Pro

<210> 1465

<211> 34

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1465

Ile Gln Leu Gly Glu Pro Ala Gly Leu Val Arg Gln Xaa Leu Gly Leu  
           1                  5                  10                  15

Cys Gln Gln Gln Glu Val Lys Arg Xaa Thr Leu Pro Pro Ser Pro Pro  
                   20                  25                  30

Xaa Xaa

<210> 1466

<211> 151

<212> PRT

<213> Homo sapiens

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<400> 1466

Thr Val Leu Pro Xaa Met Xaa Ser Pro Met Gly His Pro Xaa Xaa Phe  
1 5 10 15

Pro Lys Pro Pro Xaa Lys His Thr Trp Ser Gln Ser Leu Leu Pro Pro  
20 25 30

Ala Leu Pro Leu Asn Trp Lys Gln Xaa Cys Ala Arg Trp Xaa Gly Leu  
35 40 45

Pro Gly Arg Gln Pro Leu Pro Xaa Ser Xaa Ala Lys Pro Xaa Ala Xaa  
50 55 60

Glu Arg Leu Leu Leu Arg Cys Pro Cys Pro Gly Leu Leu Thr Leu Ala



1

5

10

15

Thr Xaa His Ser Gln Thr Pro Leu Trp Xaa Leu Ala Leu Lys Xaa Lys  
20 25 30

Xaa Arg

<210> 1468

<211> 40

<212> PRT

<213> Homo sapiens

<220>

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<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1468

His Val Leu Met Leu Ala Ala Asp Leu Asn Thr Leu Lys Val Leu Cys  
1 5 10 15

Arg Lys Lys Lys Xaa Xaa Arg Ala Ala Ala Leu Glu Asp Pro Ser Leu  
20 25 30

Arg Thr Arg Ala Cys Asp Xaa Ile  
35 40

<210> 1469

<211> 30

<212> PRT

<213> Homo sapiens

<220>

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<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1469

Ala	Leu	Cys	Phe	Lys	Arg	Leu	Thr	Gly	Asn	Tyr	Ile	Trp	Xaa	Thr	Phe
1				5				10						15	

Xaa	Ala	Leu	Thr	Leu	Lys	Xaa	Leu	Lys	Ile	Gln	Val	Asp	Lys
		20					25						30

<210> 1470

<211> 87

<212> PRT

<213> Homo sapiens

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1470

Thr Ser Pro Ser Arg Lys Cys Glu Glu Pro Gln Ala His Xaa Cys Ser  
 1 5 10 15  
 Ser Ala Pro Ser Leu Thr Phe Ser Pro Gly Gln Val Cys Ile Cys Ser  
 20 25 30  
 Leu His Trp His Phe Tyr Phe Gln Pro Leu Gly Ser Cys Phe Cys Leu  
 35 40 45  
 Leu Leu Arg Asn Leu Ser Pro Trp Gly Ser Phe Thr Thr Pro Ser Asn  
 50 55 60  
 Ile Gly Ser Gln Arg Xaa Thr Arg Glu Gly Xaa Phe Pro Arg Xaa Gly  
 65 70 75 80  
 Pro Asn Phe Xaa Arg Glu Phe  
 85

<210> 1471

<211> 65

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1471

Gly Ala Glu Asp Gly Gly Cys Ser Ile Cys Val Val Leu Leu Ser Thr  
 1 5 10 15  
 Leu Leu Cys Leu Ala Pro Asp Ser Ala Leu Cys Ser Leu Ala Gln Gln  
 20 25 30  
 Leu Cys Leu His Ile Ile Phe Met Val Leu Leu Cys Asn Ser Xaa Leu  
 35 40 45  
 Arg Trp Val Ala Thr Val Gln Ile Phe Ile Thr Leu Phe Arg Leu Ser  
 50 55 60  
 Glu  
 65

<210> 1472

<211> 68

<212> PRT

<213> Homo sapiens

<400> 1472

Thr Pro Ile Asn Leu Thr Thr Ser Cys Ser Ala Tyr Ile Pro Pro Ser  
1 5 10 15

Ser Ala Asn Pro Asp Glu Gly Tyr Lys Val Ser Ala Ser Thr His Val  
20 25 30

Lys Thr Leu Gly Gln Gly Val Ala His Glu Val Ala Arg Asn Gly Leu  
35 40 45

His Phe Leu Pro Gln Lys Thr Ile Ala Leu Met Lys Leu Lys Gly  
50 55 60

Arg Arg Trp Ile  
65

<210> 1473

<211> 132

<212> PRT

<213> Homo sapiens

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<400> 1473

Xaa Gly Gly Gly Gly Glu Xaa Phe Phe Xaa Pro Pro Ser Arg Gly Gly  
1 5 10 15

Xaa Leu Xaa Phe Gly Val Asn Lys Pro Leu Pro Pro Gly Xaa Pro Arg  
20 25 30

Gly Ser Pro Gly Lys Xaa Phe Xaa Pro Gly Gly Phe Arg Xaa Xaa Leu

35                                      40                                      45  
 Ile Ala Xaa Xaa Pro Gly Xaa Phe Xaa Pro Lys Lys Asn Lys Xaa Xaa  
     50                                      55                                      60  
 Phe Pro Phe Xaa Pro Xaa Leu Thr Trp Ala Ala Phe Ala Gln Lys Gly  
     65                                      70                                      75                                      80  
 Phe Gly Gly Gly Xaa Lys Gly Gln Xaa Pro Leu Xaa Leu Glu Thr Gly  
                                     85                                      90                                      95  
 Glu Lys Leu Gln Leu Trp His Xaa Ala Leu Xaa Val Val Pro Thr Cys  
                                     100                                      105                                      110  
 Lys Arg Gly Gln Xaa Gly Gly Asn Leu Asn Leu Pro Ser Lys Lys Lys  
                                     115                                      120                                      125  
 Leu Ala Lys Tyr  
     130

<210> 1474  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (30)  
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<220>  
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 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1474  
 Ile Ile Met Ala Lys Lys Ser Ser Leu Arg Asn Lys Val Pro Phe Ser  
     1                                      5                                      10                                      15  
 Glu Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Pro Phe Xaa Xaa Thr  
                                     20                                      25                                      30

<210> 1475  
<211> 51  
<212> PRT  
<213> Homo sapiens

<400> 1475  
Tyr Val Ala Leu Leu Asn Ile Thr Leu Arg Thr Arg Arg Leu Glu Thr  
1 5 10 15  
Thr Asn Pro Asn Tyr Val Ile Gly Lys Cys Arg Ile Lys Arg Pro Met  
20 25 30  
Tyr Ile Ser Thr Asp His Trp Ala Ile Met Leu Leu Leu Arg Leu Tyr  
35 40 45  
Ala Val Leu  
50

<210> 1476  
<211> 70  
<212> PRT  
<213> Homo sapiens

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<220>  
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<222> (54)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1476  
Thr Phe Leu Ser Gly Gly Glu Val Val Asn Gly Gly Gly Cys Ala Cys  
1 5 10 15  
Val Xaa Ala Arg Val Ile Trp Glu Phe Ser Val Pro Ser Val Gln Phe  
20 25 30  
Cys Tyr Glu Pro Lys Thr Ala Leu Lys Asn Asn Leu Cys Phe Lys Lys

35

40

45

Val Xaa Val Leu Tyr Xaa Leu Leu Leu Glu Ile Phe Val Ala Ile Phe  
50 55 60

Thr Trp Lys Asn Thr Gly  
65 70

&lt;210&gt; 1477

&lt;211&gt; 90

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (87)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1477

His Arg Thr Pro Val Pro Ala Arg Gly Gly Ala Arg Ala Leu Pro Arg  
1 5 10 15

Ala Arg Gly Ala Trp Arg Gly Gly Arg Pro Ala Gly Gly Asp Arg Arg  
20 25 30

Gly Thr Gly Tyr Pro Arg Pro Thr Glu Ala Pro Arg Arg Cys Arg Ile  
35 40 45

Val Pro Pro Gly Xaa Asp Ser Asp Leu Glu Ala Phe Ser His Asn Pro  
50 55 60

Thr Asp Gly Ser Phe Ala Pro Leu Ala Pro Gln Xaa Ser Thr Tyr Thr  
65 70 75 80

Lys Cys Leu Asn Leu Arg Xaa Leu Ser Tyr  
85 90

<210> 1478

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1478

Ile Pro Asn Ile Leu Phe Asn Met Ile Lys Leu Ile Leu Asn Glu Ile  
1 5 10 15

Leu Cys Cys Ser Leu Val Asn Leu Ser Phe Val Ile Leu Leu Val Cys  
20 25 30

Leu Ser Cys Glu Gly Leu Gln Ser Asp Met Pro Ile Phe His Ser Gln  
35 40 45

Ser Asn Tyr Lys Arg Ile Val Thr Ile Thr Gln Leu Cys Gln Glu Ile  
50 55 60

Phe Phe Asn Ser Leu Arg  
65 70

<210> 1479

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1479

Pro Val Pro Pro Ser Ser Ser Ala Arg Xaa Gly Gly Gly Gly Xaa Arg  
1 5 10 15

Arg Gly Arg Gly Xaa Val Pro Pro Ala Gly Xaa Ala Pro Gly Ala Xaa  
20 25 30

Val Pro Ala Ala Pro Arg Leu Gly Arg Arg Leu Xaa Ala Asp Leu Glu  
35 40 45

Leu Val Arg Xaa Arg Gly Ile Arg Leu Phe Asn  
50 55

<210> 1480

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (86)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (91)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1480

Leu	His	Pro	Arg	Pro	Gly	Leu	Asp	Val	Met	Gly	Cys	Gly	Pro	Leu	Pro
1				5					10					15	

Ala	Glu	Pro	Ile	Xaa	Arg	Gln	Val	Arg	Ala	Ala	Leu	Gln	Thr	Phe	Ala
			20					25					30		

His	Leu	Xaa	Ala	Ser	Xaa	Pro	Lys	Val	Pro	Gly	Gln	Pro	Glu	Ala	Pro
		35					40					45			

Arg	Pro	Gln	Pro	Arg	Xaa	Pro	Gln	Xaa	Phe	Glu	Ser	Gly	Ala	His	Ser
	50					55						60			

Arg	Ser	Pro	Leu	Ala	Leu	Pro	Thr	Pro	Ala	Arg	Xaa	Gly	Gly	Xaa	Ser
65					70					75					80

Cys	Pro	Arg	Xaa	Arg	Xaa	Ala	Pro	Glu	Asn	Xaa	Thr	Pro	Pro	Leu	Arg
				85						90				95	

Arg Thr Asn

<210> 1481  
<211> 41  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1481  
Ser Pro Ser Leu Ile Arg Xaa Pro Ile Gly Lys Ala Glu Xaa Ala Cys  
1 5 10 15  
Arg Tyr Arg Val Arg Glu Phe Pro Gly Arg Pro Thr Arg Pro Ile Thr  
20 25 30  
Ser Cys Arg Pro Pro Asn Ile Asn Leu  
35 40

<210> 1482  
<211> 99  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids



&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (95)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1482

Pro Arg Xaa Arg Glu Ile Pro Gly Gly Arg Thr His Ala Phe Arg Glu  
 1 5 10 15

Lys Ala Cys Xaa Lys Lys Gln Gly Glu Xaa Arg Xaa Glu Lys Gly Gly Leu  
 20 25 30

Val Ile Ser Lys Ser Leu Glu Arg Trp Glu Trp Thr Lys Lys Met Gly  
 35 40 45

Thr Pro Pro Leu Phe Gln Ala Trp Glu Gly Val Leu Asn Gly Arg Asp  
 50 55 60

Phe Leu Phe Pro Ala Thr Lys Arg Leu Phe Thr Thr Tyr Pro Val Lys  
 65 70 75 80

Ser Lys Phe Ile Phe Gln Glu Phe Asn Met Tyr Phe Ser Trp Xaa Tyr  
 85 90 95

Leu Cys Gln

&lt;210&gt; 1483

&lt;211&gt; 49

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1483

Cys Asn Ser Val Ser Phe Arg Phe Leu Ser Cys Phe Cys Lys Leu Trp  
 1 5 10 15

Glu Arg Leu Thr Met Gln Met Cys Gln Arg His Thr Val Gly Cys Asn  
 20 25 30

Ile Asn Asn Phe Lys Cys Lys Phe Leu Trp Ile Asn Tyr Phe Tyr Ile  
 35 40 45

Leu

<210> 1484

<211> 51

<212> PRT

<213> Homo sapiens

<400> 1484

Cys Lys Gln Tyr Leu Thr Asn Pro Gln Val Leu Asn Tyr Gln Thr Cys  
1 5 10 15

Ile Lys Asn Phe Gly Trp Gly Asp Leu Gly Ala Glu Pro Asn Leu Arg  
20 25 30

Ala Val His Ala Lys Thr Ser Pro Val Lys Ala Asn Tyr Tyr Thr Gln  
35 40 45

Leu Ile Gln  
50

<210> 1485

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1485

Leu Ser Leu Leu His Glu Xaa Pro His Val Gly Xaa Xaa Xaa Phe Asp  
1 5 10 15

Ile Leu Val Pro Arg Xaa  
20

<210> 1486

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1486

Glu Gln Thr Cys Phe Leu Asn Leu Val Ile Phe Val Lys Asn Cys Leu  
1 5 10 15

Asp Ser Phe Ser His Gln Arg Glu Ser Thr Ser Ser Glu Ser Ala Ser  
20 25 30

Ala Pro Cys Ser Leu Leu Leu Arg Gly Arg Val Thr Ser His Trp Gln  
35 40 45

Ala Ser Gly Ile Val Cys Glu Ala Leu Gln Arg Ala Ala Pro Gly Ser  
50 55 60

Cys Leu Tyr Lys Asn Ile Leu Leu Pro Ala Ala Leu Ser Leu Ala Leu  
65 70 75 80

His Phe Gly His Asp Ile Arg Cys Val Phe Ile Gln Leu Val Val Lys  
85 90 95

Met Leu Leu Leu Asn Gly Ser Ala Tyr Leu Cys Leu His Gly Leu Xaa  
100 105 110

Glu Val Gly Phe His Gly His Ser Val Ser Thr Asp Leu Glu  
115 120 125

<210> 1487

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1487

Val	Glu	Ala	Thr	Asn	Leu	Pro	Glu	Pro	Gly	Asp	Ser	Trp	Xaa	Val	Gln
1				5					10					15	

Asp	Lys	Asn	Leu	Ser	Ser	Thr	Phe	Lys	Phe	Trp	Pro	Thr	Xaa	Pro	Xaa
			20					25					30		

Lys	Phe	Pro	Trp	Xaa	Ile	Asn	Arg	Xaa	Val	Gln	Glu	Gly	Pro	Gly	Xaa
		35					40					45			

Gly	Thr	Pro
		50

<210> 1488

<211> 37

<212> PRT

<213> Homo sapiens

&lt;400&gt; 1488

Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg  
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu  
20 25 30

Ser Lys Ile Glu Ser  
35

&lt;210&gt; 1489

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1489

Gly Gly Met Arg Xaa Ser His Leu Gln Leu Leu Ser Xaa Glu Arg Thr  
1 5 10 15

Leu Gly Thr Glu Lys Asn Arg Gly Xaa Xaa  
20 25

&lt;210&gt; 1490

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<220>

<221> SITE

<222> (28)

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<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1490

Ser	Phe	Leu	Ile	Xaa	Ser	Phe	Xaa	Ile	Lys	Arg	Xaa	Arg	Asn	Leu	Met
1				5					10					15	

Thr	Gly	Arg	His	Ser	Phe	Lys	Thr	Tyr	Ser	Gln	Xaa	Pro	Ile	Thr	Ala
			20					25						30	

Gln	Asn	Xaa	Ile	Xaa	Cys	Leu
						35

<210> 1491

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1491

Thr	Leu	Ala	Tyr	Phe	Val	Ile	Asp	Tyr	Lys	Gln	Ile	Glu	Glu	Ile	Thr
1					5				10					15	

Ile Ser His Phe Cys Ile Phe Ser Lys Ile Ile Leu Leu Gln Ser Ser  
20 25 30

Ile Tyr Cys Val Pro Leu Ile Phe Tyr Cys Glu Ser Lys Glu Phe His  
35 40 45

Gln Asn Ile Leu Asn Tyr Glu  
50 55

<210> 1492

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1492

Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg  
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu  
20 25 30

Ser Lys Ile Glu Ser  
35

<210> 1493

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1493

Ile Cys Pro Xaa Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser  
1 5 10 15

Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu  
20 25 30

Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu  
35 40 45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr  
50 55

<210> 1494  
<211> 95  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (91)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (93)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (94)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (95)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1494  
Glu Ser Trp Leu Cys Ser Gly Gly Gly Met Gln Gly His Leu Leu Lys  
1 5 10 15  
Glu Gly His Gly Gln Asn Asn Ile Glu Phe Pro Ala Pro Leu Gly Ser  
20 25 30  
Asp Leu Leu Asp Thr Glu Pro Pro Phe Lys Met Gly Gln Gly Lys Gly  
35 40 45  
Gly Ser Val Gln Ser Pro Asp Leu Glu Leu Pro Glu Ala Ile Ala Ala  
50 55 60  
Leu Phe Thr Ser Lys Gly Pro Val Leu Arg Leu Phe Val Leu Ile Tyr  
65 70 75 80  
Phe Lys Leu Gly Lys Ala Gly Gly Arg Val Xaa Pro Xaa Xaa Xaa  
85 90 95

<210> 1495  
<211> 67



<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (59)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (61)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1495  
Leu Ala Pro Gln Ala Gly Val Pro Pro His Ser Ala Pro Arg Pro Xaa  
1 5 10 15

Ser Xaa Leu Ser Xaa Xaa Pro Gly Pro Ala Pro Val Pro Pro Arg Pro  
20 25 30

Arg Ser Ala Gly Pro Pro Trp Ser Ala Gly Leu Asp Arg Xaa Gly Gly  
35 40 45

Ala Trp Leu Leu Val Ala Xaa Arg Ala Leu Xaa Gln Xaa Leu Ser Ser  
50 55 60

Asp Leu Xaa  
65

<210> 1496

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1496

Glu	Asn	Pro	Ser	Lys	Val	Asn	Ser	Pro	Ala	Leu	Gly	Xaa	Xaa	Ser	Xaa
1				5					10					15	

Ala	Ser	Trp	Arg	Leu	Xaa	Val	Xaa	Leu	Ile	Ser	Gly	Asn	Pro	Xaa	Gln
			20					25						30	

Ile	Cys	Ser	Tyr	Xaa	Ser	Arg	Arg	Xaa	Ile	Gly	Ser	Val	Tyr	Cys	Asp
		35					40						45		

Gly	Asn	Xaa	Asn	Val	Thr	Val	Lys	Arg	Phe	Ala	Phe	Cys	Gly	Leu	Gly
	50					55						60			

Arg	Ala	Xaa	Asn	Phe	Leu	Leu	Arg	Leu	Ser	Leu	His
65					70					75	

<210> 1497

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (83)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (99)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1497

Leu Pro Arg Cys Ala Pro Gly Ser Gln Ala Pro Pro Glu Gly Pro Trp  
1 5 10 15

Pro Arg Arg Ile Arg Arg Val Arg Pro Gly Pro Arg Val Arg Gln Pro  
20 25 30

Arg Arg Pro Ser Ala Ser Leu Arg Pro Ser Arg Ala Arg Pro Gly Arg  
35 40 45

Ser Xaa Phe Pro Arg Pro Pro Pro Xaa Arg Leu Pro Ala Ala Ser Arg  
50 55 60

Val Gly Ala Xaa Arg Gly Leu Xaa Pro Leu Leu Lys Phe Glu Ser Xaa  
65 70 75 80

Asn Gln Xaa Val Arg Asn Pro Glu Ile Pro Asp Pro Leu Arg Lys Met  
85 90 95

Phe Ser Xaa Glu Gly Glu Arg  
100

&lt;210&gt; 1498

<211> 32  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1498  
Gly Arg Xaa Gly Gly Arg Ala Gly Gly His Glu Ala Arg Ala Ala Xaa  
1 5 10 15  
Ala Gly Gly Val Gly Arg Arg Ala Arg Gly Gly Gly Arg Xaa Gly Met  
20 25 30

<210> 1499  
<211> 69  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1499

Val Ser His Leu Leu Ala Gly Phe Cys Val Trp Val Val Leu Xaa Trp  
1 5 10 15

Val Gly Gly Ser Val Pro Asn Leu Gly Pro Ala Glu Gln Xaa Gln Asn  
20 25 30

His Tyr Leu Pro Ser Cys Leu Ala Val Arg Arg Glu Trp Xaa Ala Asp  
35 40 45

Cys Lys Gly Leu Gly Ala Val Phe His Asn Leu Xaa Leu Xaa Gln Val  
50 55 60

Gln Gly Leu Xaa Leu  
65

&lt;210&gt; 1500

&lt;211&gt; 109

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (89)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1500

Asn His Glu Arg Asn Lys Lys Glu Thr Lys Gln Lys Arg Asn Glu Lys  
1 5 10 15

Asp Ile Met Met Ser Ser Lys Pro Thr Ser His Ala Glu Val Asn Glu  
20 25 30

Thr Ile Pro Asn Pro Tyr Pro Pro Ser Ser Phe Met Ala Pro Gly Phe

35                                      40                                      45  
 Gln Gln Pro Leu Gly Ser Ile Asn Leu Glu Asn Gln Ala Gln Gly Ala  
     50                                      55                                      60  
 Gln Arg Ala Gln Pro Tyr Gly Ile Thr Ser Pro Gly Ile Phe Ala Ser  
     65                                      70                                      75                                      80  
 Ser Gln Pro Gly Gln Gly Asn Ile Xaa Met Ile Asn Pro Ser Val Gly  
                                     85                                      90                                      95  
 Thr Ala Val Met Asn Phe Lys Arg Lys Lys Gln Arg His  
                                     100                                      105

<210> 1501  
 <211> 71  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1501  
 Val Asp Glu Gly Gly Tyr Trp Gly Trp Leu Xaa Xaa Lys Ile Met Glu  
     1                                      5                                      10                                      15

Asn His Phe Ser Ile His Leu Pro Ile Leu Asn Leu Xaa Asn Lys Val

	20		25		30										
Ile	Tyr	Cys	Lys	Val	Leu	Cys	Pro	Leu	Lys	Glu	Val	Leu	Lys	Arg	Val
	35					40						45			
Arg	Met	Asp	Leu	Lys	Lys	Asn	Xaa	Asn	Leu	Glu	Xaa	Phe	Lys	Met	Val
	50					55						60			
Phe	Val	Gly	Arg	Phe	Leu	Leu									
	65				70										

<210> 1502

<211> 52

<212> PRT

<213> Homo sapiens

<220>

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<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1502

Val Pro Leu Gln Val Pro Val Arg Asn Ser Arg Val Xaa Pro Arg Val  
1 5 10 15

Arg Xaa Xaa Ser Asn Val Cys Gln Asn Ser Gln Phe Xaa Ala Ser Lys  
20 25 30

Ser Xaa Tyr Ile Glu Ser Ala Xaa Phe Leu Phe Phe Leu Phe Phe Phe  
35 40 45

Phe Xaa Phe Phe  
50

<210> 1503

<211> 34

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1503

Leu Asp Ile Lys Gln Xaa Thr Met His Gln Glu Tyr Lys Xaa Gly Lys  
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Lys Lys  
20 25 30

Xaa Lys

<210> 1504  
<211> 36  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1504  
Xaa Leu Glu Pro Gln Pro Gly Pro Xaa Arg Pro Xaa Arg Pro Pro Ser  
1 5 10 15  
Arg Arg Ser Trp Xaa Gln Gly Lys Pro Thr Gly Xaa Glu Arg Glu Ala  
20 25 30  
Ala Ala Arg Ser  
35

<210> 1505  
<211> 55  
<212> PRT  
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1505

Ala Val Xaa Phe Asn Phe Leu Ser Ala Ala Ser Cys Val His Phe Leu  
1 5 10 15

Leu Lys Val Ile Gly Phe Cys Leu Ser Ser Lys His Lys Asn Leu Lys  
20 25 30

Gly Val Leu Gln Ile Phe Cys Ala Xaa Arg Trp Leu Phe Pro Ser Gly  
35 40 45

Ser Xaa Phe Leu Asn Asn Asn  
50 55

<210> 1506

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1506

Ile Cys Ile Val Pro Pro Pro Val Ser Leu Ile Arg Met Thr Cys Ala  
1 5 10 15

Ile Phe Gln Arg Thr Cys Arg Gln Ala Gly Ile Leu Asp Tyr Phe Ser  
20 25 30

Tyr Ser Glu Thr Trp Pro Val Trp Glu Cys Gly Ile Gln Arg Trp Ser  
35 40 45

His Arg Cys Pro Tyr Cys Lys Trp Gln Phe  
50 55

<210> 1507

<211> 49

<212> PRT  
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1507  
Leu Thr Xaa Ile Xaa Tyr Tyr Arg Xaa Ser Trp Tyr Ala Cys Arg Tyr  
1 5 10 15  
Arg Ser Gly Ile Xaa Gly Ser Thr His Ala Ser Ala Asp Ala Xaa Val  
20 25 30  
Gly Gly Gln Gly Lys Val Tyr Ser Lys Ser Xaa Lys Pro Cys Gln Leu  
35 40 45

Lys

<210> 1508  
<211> 120  
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (105)

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<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1508

Val Pro Leu Pro Pro Ser Leu Arg Ser Pro Gly Ser His Arg Arg His  
1 5 10 15

His Ala Ser Gly Lys Pro Gln Arg Gly Leu Pro Ala Ser Gln Pro Pro  
20 25 30

Arg Arg Ala Leu Cys Pro Pro Ala Arg Ala Pro Thr Ala Leu Gly Ser  
35 40 45

Arg Pro Ser Pro Arg Pro Phe Gly Pro Xaa Gly Ala His Gly Ser Asp  
50 55 60

Gly Asp His Gly Arg Arg Gly Ser Arg Gly Leu Gly Cys Gly Thr Arg  
65 70 75 80

His Gly Gln Arg Pro Asp Arg Ser Leu Gln Arg Gly Glu Leu Gly Ala  
85 90 95

Leu Pro Ala Cys Cys Pro Xaa Gly Xaa His Pro Arg Xaa Pro Xaa Ala  
100 105 110

Pro Ala Xaa Gly Ala Leu Arg Leu  
115 120

<210> 1509

<211> 100

<212> PRT

<213> Homo sapiens

<220>

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<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1509

Val Ser Ile Val Ala Ala Gln Met Phe Leu Phe Phe Xaa Val Xaa Leu

1

5

10

15

Xaa Xaa Ile Ser Pro Xaa His Leu Thr Ser Leu Trp Xaa Ile Met Val  
20 25 30

Ser Glu Leu Ile Xaa Thr Phe Thr Gln Leu Glu Glu Asn Leu Lys Asp  
35 40 45

Glu Xaa Xaa Ser Leu Xaa Xaa Thr Xaa Lys Val Asn Arg Ile Xaa Val  
50 55 60

Ser Val Pro Asp Ala Asn Gly Pro Ser Val Gly Glu Xaa Pro Xaa Ser  
65 70 75 80

Glu Leu Ile Leu Tyr Leu Ser Ala Xaa Lys Phe Leu Asp Thr Ala Ala  
85 90 95

Phe Phe Xaa Thr  
100

<210> 1510

<211> 48

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>



<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1510

Gly Lys Ser Lys Phe Trp Val Glu Val Leu Xaa Ser Met Ser Phe Leu  
1 5 10 15

Leu Phe Leu Phe Tyr Leu Lys Xaa Leu Ile Tyr Pro Glu Trp Gln Xaa  
20 25 30

Leu Xaa Gln Ala Asp Gly His Asn Leu Xaa Ser Lys Xaa Phe Phe Ile  
35 40 45

<210> 1511

<211> 33

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

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<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1511

Val Arg Xaa Ser Phe Leu Cys Thr Val Phe Leu Arg Arg Met Xaa Leu  
1 5 10 15

Asp Ser Cys Leu Leu Ser Cys Ser Pro Ser Leu Ile Met Glu Leu Ser  
20 25 30

Xaa

<210> 1512  
<211> 61  
<212> PRT  
<213> Homo sapiens

<400> 1512  
Lys Leu Val Pro Leu Gln Val Pro Val Arg Asn Ser Arg Ala Lys Tyr  
1 5 10 15  
Glu Asn Lys Ser Phe Glu Lys Asn Thr Val Cys Lys Ile Cys Ser Phe  
20 25 30  
Val Glu Val Met Val Leu Cys Phe Tyr Lys Ile Val Pro Thr Pro Phe  
35 40 45  
Phe Tyr Phe Arg Tyr Phe Ile Ser Thr Ile Ser Ile Asn  
50 55 60

<210> 1513  
<211> 61  
<212> PRT  
<213> Homo sapiens  
  
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<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1513

Ile Pro Xaa Ser Ser Leu Gly Xaa Tyr Pro Cys Arg Tyr Arg Ser Gly  
1 5 10 15

Ile Pro Gly Ser Thr His Ala Ser Val Xaa Leu Arg Cys Gly Ala Pro  
20 25 30

Thr Ala Asp Xaa Ala Ala Gly Pro Xaa Arg Ser Ala Ala Xaa Arg Ser  
35 40 45

Gln Glu Ala Gly Thr Ser Trp Lys Xaa Arg Pro Ala Arg  
50 55 60

<210> 1514

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1514

Pro Arg Xaa Arg Ala Arg Arg Ala Glu Asp Gly Ile Gly Leu Asp Leu  
1 5 10 15

Pro Leu Tyr Pro Ala His Pro Gln Asp Phe His Glu Val Glu Asp Leu  
20 25 30

Ile Lys Thr Ala Ile Gly Asn Thr Leu Val Gln Asp Ile  
35 40 45

<210> 1515

<211> 39

<212> PRT

<213> Homo sapiens

<220>

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<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1515

Ala	Ser	Ser	Arg	Ser	Arg	Ala	Ala	Ala	Leu	Phe	Phe	Phe	Phe	Phe	Phe
1				5					10					15	

Phe	Phe	Phe	Phe	Phe	Ser	Phe	Ile	Leu	Leu	Phe	Ile	Phe	Pro	Xaa	Tyr
			20					25					30		

Xaa	Asn	Xaa	Gln	Gln	Leu	Xaa
						35

<210> 1516

<211> 66

<212> PRT

<213> Homo sapiens

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<221> SITE

<222> (3)

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<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1516

Thr	Leu	Xaa	Gly	Leu	Pro	His	Gln	Xaa	Gln	His	Xaa	Asp	Arg	Pro	Gln
1				5					10					15	

Ser	Cys	Thr	Phe	Ala	Pro	Lys	Leu	Leu	Phe	Thr	Xaa	Pro	Phe	Asn	Leu
			20					25						30	

Xaa	Ala	Ala	Thr	Thr	Ser	Gln	Gly	Arg	His	Arg	Glu	Gly	Glu	Xaa	Arg
		35					40					45			

Lys	Lys	Ser	Xaa	Ser	Leu	Leu	Ser	Ser	Lys	Thr	Thr	Thr	Asn	Tyr	Thr
	50					55						60			

Gly Phe

65

&lt;210&gt; 1517

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1517

Arg Thr Arg His Glu Lys Xaa Gly Asp Lys Ser Arg Ile Asn Thr Gly  
1 5 10 15

Cys Ser Gln Phe Cys Leu Leu Lys Lys Lys Lys Lys Lys Lys Lys  
20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
50 55 60

Lys Lys Lys Lys Gly Gly Pro Val Xaa Xaa Xaa  
65 70 75

<210> 1518

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

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<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1518

Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr Xaa  
1 5 10 15

Ala Ser Xaa Lys Xaa Lys Gly Leu Gln Lys His Ser Phe Leu Cys Cys  
20 25 30

Ser Leu Leu Gly Phe Met Gln Arg Gln Phe Cys Val Asn Val Gln Leu  
35 40 45

Thr Leu Ile Trp Lys Tyr Glu Asn Gln Ser Ile Leu Val Ile Lys Asn  
50 55 60

Phe Phe Thr Ile Val Ile Ile Leu Met Phe Ile Leu Cys Lys Ile Thr  
65 70 75 80

His Leu Ile Lys

&lt;210&gt; 1519

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1519

Phe Gln Leu Ser Pro Gly Thr Pro Lys Pro Leu Pro Leu Gly Leu Pro  
1 5 10 15

Ser Gln Pro Val Pro Arg Thr Ser Ser Ser Pro Phe Gln Ile Ile Lys  
20 25 30

Ser Met Asp Arg Ala Val Ser Glu Val Leu Thr Gln Gly Lys Lys Lys  
35 40 45

Lys Lys Lys Lys  
50

&lt;210&gt; 1520

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1520

Ile	Asn	Ile	Cys	Ser	Phe	Gln	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
1				5				10					15		

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Xaa
			20				25						30		

Gly	Gly	Arg	Phe	Lys	Gly	Xaa	Lys	Xaa	Thr	Tyr	Xaa	Xaa
		35					40					45

<210> 1521

<211> 71

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids



<220>

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<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (26)

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<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (35)

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<222> (37)

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<222> (42)

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<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1521

Xaa	Thr	His	Leu	Arg	Ser	Asp	Trp	Thr	Arg	Xaa	Ile	Ile	Leu	Arg	Ile
1					5				10					15	

Ala Asn Xaa Ser Leu Gly Leu Xaa Leu Xaa Val Asp Phe Ser Met Leu

20 25 30  
Arg Xaa Xaa Pro Xaa Arg Leu Glu Leu Xaa Leu Asp Asp Xaa Glu Glu  
35 40 45  
Phe Glu Asn Ile Xaa Lys Asp Leu Glu Thr Arg Lys Lys Gln Lys Glu  
50 55 60  
Asp Val Glu Val Val Xaa Gly  
65 70

&lt;210&gt; 1522

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1522

Ser Glu Lys Val Lys Thr Ala Phe Thr Lys Pro Gly Arg Trp Gly Leu  
1 5 10 15

Cys Glu Pro Leu Cys Thr Gly Ser Leu Arg Asp Ser Ala Trp Cys Ser  
20 25 30

Arg Xaa Ile Leu Ala Xaa Val Gly Glu  
35 40

&lt;210&gt; 1523

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1523

Gly His Ala Leu Leu His Leu Lys Asn Lys Leu Cys Ser Asn Cys His  
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
20 25 30

Asn Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
35 40 45

Lys Lys Lys Xaa Gly Gly Xaa Phe Lys Xaa  
50 55

<210> 1524

<211> 24

<212> PRT

<213> Homo sapiens

<220>

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<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1524

Pro Val Leu Thr His Gly Met Pro Pro Ala Ile Arg Pro Xaa Xaa Ser  
1 5 10 15

Ser Trp Ser Ser Ser Thr Xaa Thr  
20

<210> 1525  
<211> 35  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1525  
Ser Lys Ser Arg Glu Leu Pro Leu Leu Leu Val Thr Cys Pro Leu Leu  
1 5 10 15  
Ser Ser Phe Cys Ser Gly Lys Pro Trp Asp Ser Ala Xaa Thr Tyr His  
20 25 30  
Cys Arg Cys  
35

<210> 1526  
<211> 33  
<212> PRT  
<213> Homo sapiens

<400> 1526  
Ser Leu Ala Lys His Leu Asn His Leu Ser Ile Leu Ser Trp Phe Ile  
1 5 10 15  
Ile Ile Lys Ala Gln Asn Asn Leu Leu Leu Glu Asn Met Cys Phe Tyr  
20 25 30

Lys

<210> 1527  
<211> 85  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1527

Xaa Gly Xaa Gly Glu Thr Gln Gly Xaa Ala Met Gly Cys Met Val Ala  
1 5 10 15

Ser Gly Leu Leu Thr Gly Leu Ala Glu Val Leu Xaa Xaa Leu Xaa Xaa  
20 25 30

Thr Xaa Gln Xaa Gly Xaa Xaa Gln Tyr Xaa Xaa Phe Arg Val Xaa Leu  
35 40 45

Glu Ser Met Xaa Xaa Leu Xaa Asp Leu Glu Ala Xaa Trp Ala Pro Ser  
50 55 60

Pro Xaa Leu Glu Ala Xaa Xaa Leu Leu Ala Ala Val Cys His His Pro  
65 70 75 80

Ala Leu Xaa Leu Arg  
85

<210> 1528

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1528

Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser  
1 5 10 15

Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu  
20 25 30

Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu  
35 40 45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr  
50 55

<210> 1529

<211> 90

<212> PRT

<213> Homo sapiens

<400> 1529

Cys Phe Ser Leu Cys Met Gly Gly Thr Ser Ala Val Ser Glu Ser Thr

1                      5                      10                      15  
Thr Ile Ser Ser Gly Ala Gly Pro Ser Ala Arg Pro Gln Lys Asn Arg  
                    20                      25                      30  
Arg Pro Gln Glu Ser Cys Arg Thr Gly Gly Leu Phe Leu Leu Ser Arg  
                    35                      40                      45  
Glu Ala Gln Gly Met Leu Trp Arg Asp Phe Thr Cys His His Phe Gln  
                    50                      55                      60  
Val Asn Arg Thr Arg Ala Leu Met Val Phe Lys Pro Cys Trp Lys Lys  
                    65                      70                      75                      80  
Val Pro Met Val Ser Leu Val Leu Pro Val  
                    85                      90

<210> 1530  
<211> 62  
<212> PRT  
<213> Homo sapiens

<400> 1530  
Ala Asn Leu Gln Pro Lys Asn Leu Phe Lys Arg His Leu Trp Ser Cys  
1                      5                      10                      15  
Asp Glu Thr Ser Ser Lys Thr His Ser Lys Thr Pro Leu Pro Pro Val  
                    20                      25                      30  
Gly His Gln Ser Ala Thr Lys His Glu Gln Ile Leu Leu Leu Ile Gly  
                    35                      40                      45  
Phe Pro Cys Asp Leu Val Pro Glu Val Phe Gly Ser Val Gln  
                    50                      55                      60

<210> 1531  
<211> 31  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE



<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1531

Cys	Asn	Ile	Ile	Glu	Met	Lys	Xaa	Ser	Leu	Val	Gly	Thr	Asp	Ser	Leu
1					5				10					15	

Phe	Ile	Xaa	Leu	Gln	Ser	Leu	Arg	Ile	His	Xaa	Xaa	Lys	Xaa	His
			20					25					30	

<210> 1532

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1532

Ala Val Ser Ala Val Gln Tyr Ser Thr Asp Arg Trp Thr Gln Xaa Xaa  
1 5 10 15

Xaa His Xaa Gly Asn Arg His Leu Ser Ser  
20 25

<210> 1533

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1533

His	Xaa	Ser	Val	Gln	Leu	Arg	Thr	Val	Xaa	Xaa	Pro	Ala	Xaa	Val	Asn
1					5				10					15	

Glu	Pro	Val	Pro	Xaa	Xaa	Ser	Xaa	Ser	Lys	Pro	Pro	Met	Ser	Ile	Ser
			20					25					30		

Phe	Xaa	Ala	His	Leu	Asn	Thr	Cys	Xaa	Tyr	Ile	Leu	Tyr	Ser	Xaa	Gln
		35					40						45		

Asn	Asn	Leu	Tyr	Leu	Ile	Xaa
	50					55

<210> 1534

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1534

Gly	Thr	Leu	Val	Leu	Asn	Gln	Xaa	Ser	Xaa	Ser	Leu	Phe	Met	Tyr	Cys
1				5					10					15	

Phe	Thr	Xaa	Phe	Tyr	Ser	Tyr	Val	Lys	Phe	Trp	Ile	Asn	Xaa	Xaa	Xaa
			20					25						30	

Cys	Asn	Tyr	Lys	Leu	Arg	Pro	Val	Xaa	Leu	Phe	Leu	Lys	Ala	Pro	Tyr
		35					40					45			

<210> 1535

<211> 53

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1535

Met	Gly	Pro	Leu	Ser	Ala	Xaa	Xaa	Cys	Arg	Leu	His	Val	Pro	Trp	Lys
1				5					10					15	

Glu	Val	Leu	Leu	Thr	Ala	Leu	Leu	Val	Xaa	Xaa	Trp	Asn	Pro	Pro	Thr
		20						25						30	

Thr	Ala	Lys	Leu	Thr	Ile	Glu	Ser	Xaa	Pro	Phe	Xaa	Val	Ala	Xaa	Gly
		35						40						45	

Lys	Glu	Val	Leu	Leu
				50

<210> 1536

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1536

Xaa Ile Ile Asn Thr Leu Leu Ala Leu Leu Leu Ile Ile Ile Thr Phe  
1 5 10 15

Xaa Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu  
20 25 30

Cys Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys  
35 40 45

Phe Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala  
50 55 60

Leu Leu Leu Pro Leu Pro  
65 70

&lt;210&gt; 1537

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1537

Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu Cys  
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe  
20 25 30

Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala Leu  
35 40 45

Leu Leu Pro Leu Pro  
50

&lt;210&gt; 1538

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1538

Leu Pro Gln Leu Asn Gly Tyr Ile Lys Lys Ser Thr Pro Tyr Xaa Cys  
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe  
20 25 30

Phe Leu Val Xaa Ile Thr Phe Leu Leu Phe Asp Leu Lys Ile Ala Leu  
35 40 45

Leu Leu Pro Leu Pro  
50

<210> 1539

<211> 53

<212> PRT

<213> Homo sapiens

<400> 1539

Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu Cys  
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe  
20 25 30

Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala Leu  
35 40 45

Leu Leu Pro Leu Pro  
50

<210> 1540

<211> 57

<212> PRT

<213> Homo sapiens

<400> 1540

Val Cys Phe Lys Gly Leu Tyr Leu Thr Asn Gly Phe Pro Leu Thr Glu  
1 5 10 15

Leu Val Phe Ile Ser Asp Leu Thr Pro Leu Leu Asn Gly Ser Ser Gln  
                   20                                  25                                  30

Asp Arg Met Phe Val Thr Thr Val Leu Glu Ile Glu Gln Leu Leu Ala  
                   35                                  40                                  45

Arg Val Gly Val Leu Lys Asp Ser Ile  
                   50                                  55

<210> 1541

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1541

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Gly Ser Ser Asp Trp  
   1                                  5                                  10                                  15

Ser Tyr Gly Leu Glu Lys Gly Ser Leu Gly Met Pro Ser Glu Val Gly  
                   20                                  25                                  30

Asp Arg Ala Gly Ala Gln Ala Pro Val Arg Asn Gly Arg Tyr Leu Ala  
                   35                                  40                                  45

Ser Cys Gly Ile Leu Met Ser Arg Thr Leu Pro Leu His Thr Ser Ile  
                   50                                  55                                  60

Leu Pro Lys Glu Ile Cys Ala Arg Thr Phe Phe Lys Ile Thr Ala Pro  
   65                                  70                                  75                                  80

Leu Ile Asn Lys Arg Lys Xaa Tyr Ser Glu Arg Arg Ile Leu Gly Tyr  
                   85                                  90                                  95

Ser Met Gln Glu Met Tyr Asp Val Val Ser Gly Val Glu Asp Tyr Lys  
                   100                                  105                                  110

His Phe Val Pro Trp Cys Lys Lys Ser Asp Val Ile Ser Lys Arg Ser  
                   115                                  120                                  125

Gly Tyr Cys Lys Thr Arg Leu Glu Ile  
   130                                  135



<210> 1542  
<211> 122  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (75)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (81)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (82)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (87)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (92)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (110)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (111)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (118)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1542

Ala Arg Glu Arg Leu Gly Met Asp Ala Leu Val Ala Glu Glu Glu Ala  
1 5 10 15

Glu Ala Lys Gly Asn Glu Val Arg Pro Ser Gly Arg Val Phe Leu Ser  
20 25 30

Ser Ala Ala Leu Arg Leu Thr Cys Thr Phe Ser Ser Gly Xaa Gly Pro  
35 40 45

Ser Cys Gln Pro Phe Gln Asn Ile Phe Pro Trp Ile Leu Arg Tyr Leu  
50 55 60

Thr Phe Gln Asp Ser Arg Val Leu Ile Ile Xaa Leu Gly Asn Phe Trp  
65 70 75 80

Xaa Xaa Trp Thr Gln Ser Xaa Phe Leu Lys Phe Xaa Pro Gln Gly Leu  
85 90 95

Pro Ala Leu Gly Gly Ser Lys Val Phe Pro Lys Gly Pro Xaa Xaa Pro  
100 105 110

Ala Pro Phe Phe Lys Xaa Arg Ile Xaa Ser  
115 120

<210> 1543

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1543

Tyr Pro Ala Ser Gln Ile Val His His Phe Met Glu Leu Cys Trp Asp  
1 5 10 15

Lys Cys Val Glu Lys Pro Gly Asn Arg Leu Asp Ser Arg Thr Glu Asn  
20 25 30

Cys Leu Ser Ser Cys Val Asp Arg Phe Ile Asp Thr Thr Leu Ala Xaa  
35 40 45

Thr Gln Ser Val Cys Pro Xaa Leu Xaa  
50 55

&lt;210&gt; 1544

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1544

Gly Gly Ile Ala Xaa Ala Gly Ser Gly His Met Asn Tyr Ile Gln Val  
1 5 10 15

Thr Pro Gln Glu Lys Xaa Ala Ile Glu Arg Leu Lys Ala Leu Gly Phe  
20 25 30

Pro Glu Gly Leu Val Ile Gln Ala Tyr Phe Ala Cys Glu Lys Asn Glu  
35 40 45

Asn Leu Ala Ala Asn Phe Leu Leu Gln Gln Asn Phe Asp Glu Asp  
50 55 60

&lt;210&gt; 1545

&lt;211&gt; 124

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (99)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1545

Glu Gly Leu Thr Pro Gln Glu Ile Cys Asp Lys Tyr His Ile Ile Gln  
1 5 10 15

Ser Leu Gly Leu Cys Cys Cys Thr Ile Leu Ile Cys Pro Thr Gln Ile  
20 25 30

Glu Gly Val Pro Leu Ala Glu Gly Leu Thr Pro Gln Glu Ile Cys Asp  
35 40 45

Lys Tyr His Ile Ile His Ala Asp Ile Tyr Arg Trp Phe Asn Ile Ser  
50 55 60

Phe Asp Ile Phe Gly Arg Thr Thr Thr Pro Gln Gln Thr Lys Ile Thr  
65 70 75 80

Gln Asp Ile Phe Gln Gln Leu Leu Lys Arg Ser Phe Val Leu Gln Asp  
85 90 95

Thr Val Xaa Gln Leu Arg Cys Glu His Cys Ala Arg Phe Leu Ala Asp  
100 105 110

Arg Phe Arg Gly Arg Arg Val Ser Leu Leu Trp Leu  
115 120

&lt;210&gt; 1546

&lt;211&gt; 184

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (167)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 1546

Xaa Gly Phe Thr Cys Arg Gln Lys Ala Ser Leu Asn Trp His Met Lys  
1 5 10 15

Lys His Asp Ala Asp Ser Phe Tyr Gln Phe Ser Cys Asn Ile Cys Gly  
20 25 30

Lys Lys Phe Glu Lys Lys Asp Ser Val Val Ala His Lys Ala Lys Ser  
35 40 45

His Pro Glu Val Leu Ile Ala Glu Ala Leu Ala Ala Asn Ala Gly Ala  
50 55 60

Leu Ile Thr Ser Thr Asp Ile Leu Gly Thr Asn Pro Glu Ser Leu Thr  
65 70 75 80

Gln Pro Ser Asp Gly Gln Gly Leu Pro Leu Leu Pro Glu Pro Leu Gly  
85 90 95

Asn Ser Thr Ser Gly Glu Cys Leu Leu Leu Glu Ala Glu Gly Met Ser  
100 105 110

Lys Ser Tyr Cys Ser Gly Thr Glu Arg Val Ser Leu Met Ala Asp Gly  
115 120 125

Lys Ile Phe Val Gly Ser Gly Ser Ser Gly Gly Thr Glu Gly Leu Val  
130 135 140

Met Asn Ser Asp Ile Leu Gly Ala Thr Thr Glu Val Leu Ile Glu Asp  
145 150 155 160

Ser Asp Ser Ala Gly Pro Xaa Trp Thr Gly Arg Leu Gly Ala Trp Asp  
165 170 175

Ser Ser Asp Phe Val Phe Lys Ser  
180

&lt;210&gt; 1547

&lt;211&gt; 733

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1547

gggatccgga gcccaaattct tctgacaaaa ctacacatg cccaccgtgc ccagcacctg 60  
aattcgaggg tgcaccgtca gtcttcctct tcccccaaaa acccaaggac accctcatga 120  
tctcccggac tcctgaggtc acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg 180  
tcaagttaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240  
aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300  
ggctgaatgg caaggagtac aagtgaagg tctccaacaa agccctccca acccccatcg 360  
agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420  
catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctgggtc aaaggcttct 480  
atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540

ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg 600  
acaagagcag gtggcagcag gggaaagtct tctcatgtct cgtgatgcat gaggtctctgc 660  
acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720  
gactctagag gat 733

<210> 1548

<211> 5

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1548

Trp Ser Xaa Trp Ser

1

5

<210> 1549

<211> 86

<212> DNA

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<400> 1549

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1629

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cttttgcaaa aagctt

256



# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/05883

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : C12P 21/04; C12N 15/00; C07H 21/02  
US CL : 435/70.1, 320.1; 536/23.1

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 435/70.1, 320.1; 536/23.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	SCANLAN et al. Characterization of Human Colon Cancer Antigens Recognized by Autologous Antibodies, Int. J. Cancer, 1998, Vol. 76, pages 652-658.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	TANAKA et al. A Novel Variant of Human Grb7 Is Associated with Invasive Esophageal Carcinoma, J. Clin. Invest., August 1998, Vol. 102, No. 4, pages 821-827.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	KISHI et al. Molecular Cloning of Human GRB-7 Co-amplified with CAB1 and c-ERBB-2 in Primary Gastric Cancer, Biochemical and Biophysical Research Communications, 1997, Vol. 232, pages 5-9.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	JIANG et al. Subtraction hybridization identifies a novel melanoma differentiation associated gene, mda-7, modulated during human melanoma differentiation, growth and progression, Oncogenes, 1995, Vol. 11, pages 2477-2486.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	MUELLER et al. Polymerase Chain Reaction Selects a Novel Disintegrin Proteinase from CD40-Activated Germinal Center Dendritic Cells, J. Exp. Med., August 1997, Vol. 186, No. 5, pages 655-663.	1-4, 11-12, 16 ----- 5-10, 14-15

☒ Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

18 May 2000 (18.05.2000)

Date of mailing of the international search report

13 JUN 2000

Name and mailing address of the ISA/US

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*Jerry J. Deyfor*

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/05883

## C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	FOJO et al. Donor Splice Site Mutation in the Apolipoprotein (Apo) C-II Gene (APO C-IIbamburg) of a Patient with APO C-II Deficiency. The Journal of Clinical Investigations, November 1988, Vol. 82, pages 1489-1494.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	JACKSON et al. Isolation of cDNA and Genomic Clones for Apolipoprotein C-II, Methods in Enzymology, 1986, Vol. 128, pages 788-800.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	HILLIER et al. Generation and Analysis of 280,000 Human Expressed Sequence Tags, Genome Research, 1996, Vol. 6, No. 9, pages 807-828.	1-4, 11-12, 16 ----- 5-10, 14-15
Y	WATSON et al. The Science Used in the Recombinant DNA Industry. In: Recombinant DNA, W.H. Freeman and Company, 1983, pages 231-241.	7-10, 14-15

# INTERNATIONAL SEARCH REPORT

Intern. nal application No.

PCT/US00/05883

## Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claim Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claim Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:  
Please See Continuation Sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-12,14,15,16,21

Remark on Protest

☐  
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

**BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING** This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-12, 14, 15, 16, and 21, drawn to cDNA, polypeptides, genes, a method of using the cDNA to make host cells comprising the cDNA, and a method of making the polypeptide.

Group II, claim(s) 13, drawn to an antibody specific for the polypeptides of Group I.

Group III, claim(s) 17, drawn to a therapeutic method of using the cDNA or the polypeptide of Group I.

Group IV, claim(s) 18 and 19, drawn to a diagnostic method of using the cDNA or polypeptide of Group I.

Group V, claim(s) 20, drawn to a method of using the polypeptide of Group I to isolate a binding partner.

Group VI, claim(s) 22, drawn to a method of using the cDNA of Group I to identify the activity of the polypeptide encoded by the cDNA.

Group VII, claim(s) 23, drawn to the binding partner made by the method of Group V.

The inventions listed as Groups I-VII do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: PCT Rule 13.1 and Annex B do not provide for unity of invention between two or more different products or methods of use that share a special technical feature.

In addition, each Group detailed above reads on distinct Groups drawn to multiple SEQ ID Numbers. The sequences are distinct because they are unrelated sequences, and a further lack of unity is applied to each Group. The lack of unity is partially waived and the Applicants must further elect 10 SEQ ID Numbers for examination in the elected Group detailed above.

**Continuation of B. FIELDS SEARCHED Item 3: SEQUENCE DATABASES (US PATENT, INTERFERENCE, COMMERCIAL)**

STN COMMERCIAL DATABASE (Biosis, Medline, Embase, Embal, SciSearch, BiotechDS, CaPlus)

Search Terms: Recombinant, Host, Cell, Vector, peptide, protein, cDNA